Report

Second Half 2020
Operations and Monitoring Report
Remedial Action Pilot Study

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

Prepared for

U.S. Environmental Protection Agency
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Submitted by

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1. Significant Developments This Period

The recirculation trench has operated as designed with a total flow rate of approximately 45 to 50 gallons per minute (gpm) from extraction wells EW-1, EW-2, EW-4, and EW-5. There have been no high alarms in the infiltration trench since rehabilitation of the system in July 2015.

Since the first and second quarter monitoring events in 2016, pentachlorophenol (PCP) concentrations have decreased in several wells, including multiple downgradient wells. This suggests the effects of the rehabilitation of the recirculation system and addition of the in situ submerged oxygen curtains (iSOCs) are reducing concentrations downgradient of the system. See Section 4.2 for more details regarding PCP concentrations observed during the second half of 2020.

2. Introduction

The J.H. Baxter Team, consisting of J.H. Baxter & Co. (Baxter) and GSI Water Solutions, Inc. (GSI), has prepared this *Second Half 2020 Operations and Monitoring Report – Remedial Action Pilot Study* (O&M report) for the former J.H. Baxter wood-treating facility (Site) that currently is operated by McFarland Cascade Holdings, Inc. (a Stella-Jones Company), located at 6520 188th Street NE in Arlington, Washington (Figure 1). This report has been prepared for the U.S. Environmental Protection Agency (EPA) to document the results of groundwater monitoring and remedial action for the Site during the second half of 2020 (July 1, 2020 to December 31, 2020).

The Remedial Action Pilot Study is considered to be part of the ongoing Corrective Measures Study (CMS; Baxter, 2011), which is being implemented pursuant to Paragraph 53 of the EPA Administrative Order on Consent (AOC) dated April 30, 2001 (EPA, 2001). CMS-related activities were conducted consistent with guidance provided by EPA in the RCRA Corrective Action Plan (Final), dated May 1994 (EPA, 1994); Corrective Actions Advance Notice of Proposed Rulemaking (EPA, 1996); and the AOC.

This semiannual report fulfills the documentation required for the ongoing operations and maintenance (O&M) related to the *Remedial Action Pilot Study Work Plan* (Baxter, 2007a) and *Remedial Action Pilot Study Performance Monitoring Plan* (PMP; Baxter, 2007b), which were submitted to EPA in 2007.

3. Remedial Action Pilot Study

The Remedial Action Pilot Study was designed to enhance in situ bioremediation and passive recovery of light nonaqueous-phase liquid (LNAPL). The pilot study includes an extraction well network, infiltration trench, recovery wells, and monitoring well network (Figure 2). The pilot study installation was completed in January 2008, with six additional monitoring wells added in 2010.

The purpose of the enhanced in situ bioremediation (the recirculation system) is to increase groundwater pH for favorable conditions for biodegradation of PCP. The system also adds oxygen by pumping the reduced water and allowing it to cascade through the vadose zone, picking up oxygen before reaching the groundwater table. The recirculation system uses four extraction wells to extract affected groundwater, which is pumped in an infiltration trench upgradient of the extraction wells. The infiltration trench is composed of basalt gravel and limestone rock, which is intended to raise the pH of the affected groundwater when contact is made. Additionally, LNAPL is passively recovered in five recovery wells with the installation of sorbent socks.

4. Operations, Maintenance, and Monitoring

Routine monitoring changed from monthly to quarterly in July 2010 with EPA's approval (EPA, 2010). EPA approved another reduction in reporting from quarterly to semiannual O&M reports in its May 18, 2015, letter (EPA, 2015b). Routine monitoring includes:

- Record groundwater level measurements in the monitoring well network.
- Collect groundwater samples from the monitoring well network.
- Collect a composite groundwater sample from the extraction wells.
- Inspect the sorbent socks in the recovery wells and replace if saturated.

4.1 Groundwater Level Measurements

Third Quarter groundwater monitoring occurred on September 24 through September 27, 2020. Fourth Quarter groundwater monitoring occurred on December 9 through 12, 2020. The groundwater elevations from the Third and Fourth quarter 2020 monitoring events, and the previous four monitoring events, are presented in Table 1.

A groundwater elevation contour map of the Third and Fourth Quarter 2020 monitoring events is presented in Figure 3 and 4. At the time groundwater measurements were collected, extraction wells EW-1, EW-2, EW-4, and EW-5 were running.

Appendix A provides additional figures with more detailed analyses of groundwater elevations across select wells at the Site. Figure A-1 is a cross section location map. Figures A-2 through A-5 present the groundwater elevations along each cross section from the Third and Fourth Quarter 2020 monitoring events. The wells along each transect have been identified as shallow, intermediate, or deep wells based on the following classifications:

- A shallow well has the elevation of the bottom of the screen above 90 feet, North American Vertical Datum of 1988 (NAVD88).
- An intermediate well has the elevation of the bottom of the screen between 70 and 90 feet, NAVD88.
- A deep well has the elevation of the bottom of the screen below 70 feet, NAVD88.

Well clusters of different screened intervals were used to evaluate vertical gradients. The vertical gradients for each well pair are presented in Table 2 and Figure 4, where a negative gradient indicates an upward trend and a positive gradient indicates a downward trend. In

Appendix A, Figures A-2 through A-5 display the vertical gradients for select well pairs. Figures A-4 and A-5 show that water levels in the shallow zone, where the extraction and infiltration occurred, were generally higher in the area of infiltration and lower in the area of extraction, as would be expected.. In between the infiltration trench and extraction wells, at well pair MW-3/MW-33, a flat to slightly upward gradient (Figures A-3 and A-4) was observed during second half of 2020. A slight downward vertical gradient between the deep zone and shallow zone near the extraction wells (MW-29/MW-38 well pair) was observed in the second half of 2020. Downgradient of the recirculation system, there is a slight downward vertical gradient between the shallow, intermediate, and deep zones except for a slightly upward gradient at the distal well cluster MW-15/MW-40 between the shallow and deep zones observed in the second half of 2020.

Hydrographs for select monitoring wells representative of aquifer conditions throughout different portions of the site are presented in Appendix A (Figures A-6 through A-9) along with precipitation data. Daily precipitation data, consisting of rain and snowmelt, are from two National Climatic Data Center's stations in Arlington and Marysville, Washington (US1WASN0089 and US1WASN0043). Trends between the groundwater elevation and precipitation are shown in the hydrographs, with groundwater levels rising after periods of lower precipitation and groundwater levels decreasing after periods of low or no precipitation. Groundwater elevations have shown a falling trend in the second half of 2020 due to lower precipitation levels.

4.2 Groundwater Monitoring and Water Quality

The second half of 2020 groundwater monitoring occurred on September 24 through 27, 2020 for the Third Quarter sampling event and December 9 through 12, 2020 for the Fourth Quarter sampling event. In the monitoring well network, 34 monitoring wells were sampled in the Third Quarter and 31 wells were sampled in the Fourth Quarter. A composite sample of EW-1, EW-2, and EW-4 was collected in the Third and Fourth quarters of 2020. All monitoring wells sampled were analyzed for PCP by EPA Method 8270D SIM. The extraction well composite sample was analyzed for PCP breakdown products using EPA Method 8151M in addition to PCP by EPA Method 8270D SIM.

Wells were sampled using a fleet of newly installed dedicated submersible pumps and tubing or using a decontaminated portable submersible pump with new tubing. The submersible pump was decontaminated between each well following EPA's recommended decontamination procedures.

Groundwater samples were collected by GSI Water Solutions in general accordance with the *Revised Supplemental Dissolved-phase Groundwater Monitoring Plan* (Baxter, 2005) and *Site Investigation Work Plan* (Baxter, 2002). Samples were analyzed by Eurofins in Tacoma, Washington. Laboratory reports are presented in Appendix B. Monitoring well analytical results are summarized in Table 3A. Extraction well analytical results are summarized in Tables 3B and 3C.

PCP results and isopleth maps for the Third and Fourth Quarter shallow and intermediate zones are presented in Figure 6 and 7, respectively. The Third and Fourth Quarter PCP results and isopleth maps for the deep zone are presented in Figures 8 and 9, respectively.

Figure 10 displays the PCP concentrations from the Fourth Quarter of 2020 along a cross-section, longitudinal to the PCP plume. Time series plots of PCP concentrations in select wells are presented in Appendix C.

Generally, PCP concentrations in the second half of 2020 are consistent with previous monitoring events. The exceptions (presented in Appendix C) are:

- **MW-25 (Figure C-4)**: PCP concentrations rose in the Fourth Quarter, 2020. This perceived "spike" in concentration appears anomalous; however, Baxter will continue to monitor the concentration trend as new data becomes available.
- **MW-36 (Figure C-7)**: Overall, PCP concentrations in MW-36 rose in the second half of 2020 as compared to the lower concentrations observed since the second half of 2016. Trends will continue to be monitored at this well and wells further downgradient to determine larger effects; however, this rise in PCP concentration appears localized.
- **MW-41 (Figure C-9)**: PCP concentrations in MW-41 rose in the second half of 2020 as compared to the last time the well was sampled in the first half of 2019. Between the second half of 2019 and first half of 2020 access was not permitted to MW-41; subsequently, the iSOC oxygen cylinder could not be exchanged until the Fourth Quarter 2020. Access to the well has been renegotiated with the current property owner, the concentration trend will continue to be monitored as new data becomes available. Baxter anticipates concentrations to decrease with the operational iSOC.

All remaining sampled wells continue to show decreasing or stable low concentration trends in PCP concentrations. This includes monitoring wells upgradient of the extraction wells and monitoring wells downgradient of the recirculation system. The number of wells that show a downward trend of PCP has greatly increased since 2015, which likely is caused by the restored operation of the recirculation system. These wells will continue to be observed to determine the effect of the rehabilitation of the recirculation system. Wells farther downgradient of the recirculation system have historically been shown to benefit from the recirculation system. Lack of continuity in data collection in 2020 due to multiple buried wells and sampled being cancelled in the first quarter of 2020 due to COVID prevents a more detailed understanding of the 2020 trends. Historically, the long-term data shows these fluctuating PCP concentrations are likely associated with seasonal changes in groundwater elevation, but may also be associated with changes in gradients because of rehabilitation of the recirculation system.

Extraction well samples were not composited correctly by the analytical laboratory in the Third Quarter, PCP breakdown product values were a result of compositing EW-1, EW-2 and EW-4; however, PCP was individually analyzed from discrete groundwater samples EW-1, EW-2 and EW-4 instead of a laboratory composite. The extraction well samples for the Fourth Quarter were a laboratory composite of discrete groundwater samples from EW-1, EW-2, and EW-4 and analyzed for PCP and select PCP breakdown products. The results are summarized in Tables 3b and 3c.

4.3 Extraction Wells

Extraction wells EW-01, EW-02, EW-04, and EW-05 were operating continuously during the Third and Fourth Quarters of 2020 at a cumulative rate of approximately 45 to 50 gpm.

4.4 iSOC Wells

On August 1, 2015, during the recirculation trench rehabilitation, iSOCs were installed in three downgradient deep wells (MW-39, MW-40, and MW-41) to add oxygen to the deeper water-bearing zone. The oxygen from the iSOCs is regularly depleted with at least a portion of that being used for degradation of PCP. The oxygen tank was refilled/replaced in MW-40 during the Third Quarter 2020 and replaced/rehabilitated in MW-39, MW-40 and MW-41 during the Fourth Quarter 2020 sampling event. MW-39 and MW-41 were buried due to grading activities by the current property owner and partially excavated in the Third Quarter 2020 to allow for sampling; however, the oxygen cylinders were not able to be replaced during the Third Quarter sampling. Baxter will continue to work with the current owner to remove fill material and permanently expose the buried iSOC wells.

Since the iSOC installation in August 2015, PCP concentrations have generally decreased in MW-39, MW-40, and MW-41. While the data results at iSOC wells are more limited in 2020, it is unclear how much the iSOCs versus the recirculation system effect the groundwater concentrations; both appear to be having a positive impact on reducing PCP concentrations in the groundwater downgradient of the system.

4.5 LNAPL Recovery

The following five wells have sorbent socks to passively absorb LNAPL:

- MW-12
- MW-13
- MW-19
- MW-20
- MW-21

MW-12, MW-13, MW-20 and MW-21 were inspected during the Third Quarter 2020; based on visual assessment, the sorbent socks in MW-12, MW-13 MW-20 and MW-21 needed to be replaced during the sampling event. MW-12, MW-13, MW-20 and MW-21 were inspected during the Fourth Quarter 2020; based on visual assessment the sorbent socks in MW-12 needed to be replaced. MW-19 could not be located in the second half of 2020 and is suspected of being buried by Stella's (current tenant) operational activities; Baxter will continue to work with Stella to gain access to this well. Baxter stores spent sorbent socks in a 55-gal satellite drum and arranges for off-site disposal once full. Since the start of the pilot study, it has been observed that the sorbent socks in recovery wells MW-19, MW-20, and MW-21 consistently have less product absorbed compared to the sorbent sock in MW-12 and MW-13.

MW-12, MW-13, MW-20, and MW-21 socks appeared dark in color when removed during the Third Quarter 2020 sampling event. Sorbent socks contained 0.0024, 0.04,0.11 and 0.0024

gallons of LNAPL, respectively (Table 4). The sock from MW-12 during the Fourth Quarter 2020 event appeared dark in color when removed and contained 0.04 gallons of LNAPL. This calculation is typically determined based on the field measured mass of the unused portion of the sorbent subtracted from the mass of the saturated portion of the sock.

4.6 Quality Assurance and Quality Control

Groundwater sample data for the third and fourth quarter 2020 monitoring event were analyzed by Eurofins TestAmerica. The case narrative in the laboratory report (Appendix B) describes the flags or footnotes associated with exceptions to standard analytical protocols and is summarized below. The results are considered usable with the appropriate flags.

Sample coolers for the September and December 2020 monitoring event arrived at the laboratory in good condition and were below EPA's 6 degrees Celsius (˚C) recommendation.

A field equipment blank was collected during the third and fourth quarter monitoring events and method blanks were run with every batch of samples. These blanks were analyzed for PCP. PCP was detected above the method detection limit (MDL) in one method blank (associated with samples GW-EW-01-0920, GW-EW-02-0920, and GW-EW-04-0920) and in the rinsate blank for the third and fourth quarter. When sample concentrations were less than five times a blank concentration, detected results were qualified "U." Baxter is working on assembling a dedicated fleet of sampling pumps and tubing for each well to eliminate the need for equipment blanks in the future and reduce to risk of contamination between sampling points.

The relative percent difference (RPD) between the laboratory control sample (LCS) and the laboratory control sample duplicate (LCSD) for the September 2020 monitoring data was outside of allowable limits for the batch containing samples GW-DUP-1-0920, GW-MW-03-0920, GW-MW-22-0920, GW-MW-23-0920, GW-MW-24-0920, GW-MW-25-0920, GW-MW-26-0920, GW-MW-27-0920, GW-MW-28-0920, GW-MW-30-0920, GW-MW-32-0920, GW-MW-33-0920, GW-MW-35-0920, GW-MW-39-0920, and GW-MW-41-0920. The relative percent difference (RPD) between the laboratory control sample (LCS) and the laboratory control sample duplicate (LCSD) for the December 2020 monitoring data was outside of allowable limits for the batch containing samples GW-MW-03-1220, GW-MW-25-1220, GW-MW-32-1220, GW-MW-35-1220. These samples were J-qualified.

In September 2020 samples GW-EW-01-0920, GW-EW-02-0920, GW-EW-04-0920, GW-BXS-01-0920, GW-MW-03-0920, GW-MW-23-0920, GW-MW-24-0920, GW-MW-25-0920, GW-MW-32-0920, GW-MW-36-0920, GW-MW-39-0920, GW-MW-40-0920 and GW-MW-41-0920 were diluted to bring the concentration of target analytes with the calibration range. Elevated reporting limits (RLs) are provided. December 2020 samples EW-1, EW-2, EW-4 Composite, GW-BXS-01-1220, GW-MW-03-1220, GW-MW-24-1220, GW-MW-25-1220, GW-MW-32-1220, GW-MW-34-1220, GW-MW-35-1220, GW-MW-36-1220, GW-MW-39-1220, GW-MW-40-1220, and GW-MW-41-1220 were diluted to bring the concentration of target analytes with the calibration range. Elevated reporting limits (RLs) are provided.

In September 2020 the surrogate compound 2,4,6-tribromophenol associated with PCP analysis of sample GW-EW-2-0920 was recovered above the upper control limit of 133%. As pentachlorophenol was detected in this sample, the result was J-qualified.

In December 2020 surrogate recovery for the following samples were outside control limits: GW-MW-35-1220, GW-MW-03-1220 and GW-DUP-1-1220. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. GW-DUP-1-1220 was not qualified since the sample concentration was less than 50 times the MDL. Samples GW-MW-35-1220 and GW-MW-03-1220 were greater than 50 times the MDL indicating interference and sample biasing, results were J-qualified.

It should be noted that analytes 2,3,4,6-Tetrachlorophenol and 2,3,5,6-Tetrachlorophenol cannot be distinguished using Eurofins TestAmerica's mass spectrometry methods because of co-elution and similar mass spectra; quantitation of 2,3,4,6-Tetrachlorophenol is reported as 2,3,4,6-Tetrachlorophenol but is potentially the sum of both analytes.

Eurofins TestAmerica qualified analytes with a concentration detected above the MDL but below the method reporting limit (MRL) with a J-flag. This qualification indicates an estimated concentration because the result is quantitatively uncertain. These J-flagged samples were subsequently J-qualified.

One duplicate sample was collected during the third and fourth quarter monitoring events from MW-35. The blind samples were analyzed for PCP. The parent sample and blind results were found to be comparable in September 2020, and no results were qualified. December 2020 comparison results indicated evidence of matrix interference resulting in low bias, results are J-flagged. A comparison between the blind and parent sample is not available due to matrix interference issues.

4.7 Activities Planned for the First Half of 2021

Quarterly groundwater monitoring events will continue in the first half of 2021 as outlined in the PMP. These monitoring events will include the same elements discussed in this O&M report: groundwater level measurements, groundwater sampling within the monitoring network and an extraction well composite sample, and inspection of the sorbent socks in the recovery wells. As development of the site continues an increased effort will be made to communicate with contractors and those involved in work on site to provide continuous unrestricted access to all wells. Baxter is also working on assembling a dedicated fleet of sampling pumps and tubing for each monitoring well to eliminate the need for equipment rinsate blank samples and chances of sample cross contamination.

5. References

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Tables

Table 1. Groundwater Elevation Summary

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Well ID	Northing	Easting	Ground Surface Elevation (ft, NAVD88)	Top of Casing Elevation (ft, NAVD88)	Groundwater Elevations (ft, NAVD88)					
					9/14/2019	12/28/2019	3/1/2020[2]	6/13/2020	9/25/2020	12/9/2020
BXS-1	427577	1320372.8	142.32	142.65	104.41	103.69	NM	107.53	104.88	104.25
BXS-2	427429.1	1320176.6	141.09	142.89	NM	105.39	NM	109.57	107.01	106.35
BXS-3	427202.9	1320143.8	141.73	142.07	NM	NM	NM	112.6	109.84	108.81
BXS-4	426556.4	1320865.9	143.05	143.42	NM	NM	NM	130.04	126.25	128.54
MW-1	427352.2	1320826.9	146.21	147.44	115.78	NM	NM	120.87	116.03	117.7
MW-2	428166.9	1320647.4	144.69	145.96	102.18	101.54	NM	105.41	102.82	102.09
MW-3	427560.7	1320596.2	143.92	146.13	104.75	104.28	NM	108.06	105.28	104.7
MW-4	425935.6	1321013.3	143.02	145.02	126.40	134.10	NM	133.69	131.21	124.25
HCMW-5	427010.1	1320692.3	143.94	143.75	116.87	NM	NM	117	112.67	113.41
HCMW-6	427887.2	1320815.7	146.69	146.36	110.44	NM	NM	NM	NM	NM
HCMW-7	428230.4	1320337.6	145.01	144.73	101.43	100.71	NM	105.47	102.01	101.31
MW-10	427175.1	1320566	143.3	144.99	116.67	110.39	NM	115.21	109.67	109.35
MW-11	427398.1	1321001	146.46	146.06	119.26	NM	NM	123.33	119.63	121.77
MW-14	425602.6	1320388.9	139.88	141.70	114.68	115.48	NM	118.65	114.61	115.45
MW-15	427860	1320310.6	142.78	142.22	103.32	102.59	NM	106.44	103.95	103.26
MW-16	428006.8	1320325.6	143.37	142.91	103.05	101.85	NM	105.74	103.17	NM
MW-17	427863.6	1320173.9	142.17	144.85	103.22	102.45	NM	105.09	103.81	103.11
MW-18	428312.7	1320075.7	142.79	142.45	101.03	100.13	NM	104.02	101.68	100.87
MW-22	427395.3	1320573.5	143.13	142.75	107.81	107.34	NM	110.88	108	107.31
MW-23[1]	427500	1320578.2	143.47	143.18	106.70	106.18	NM	109.66	107.01	106.36
MW-24	427563.9	1320645.1	144.47	144.13	104.93	104.43	NM	108.2	105.24	104.85
MW-25	427492.9	1320682	145.45	144.98	106.14	110.28	NM	NM	110.14	109.66
MW-26	427601	1320773	145.13	144.75	105.15	104.71	NM	108.47	105.63	104.02
MW-27	427677.9	1320702.8	144.62	144.31	105.15	104.31	NM	108.09	105.35	104.71
MW-28	427502.3	1320488.8	143.02	142.77	105.67	105.16	NM	108.81	106.1	105.44
MW-29	427637.7	1320503	142.85	142.61	104.37	103.77	NM	107.63	104.91	104.29
MW-30	427836.7	1320483.2	142.64	142.4	103.87	103.20	NM	108.01	104.41	103.7
MW-31	427715.8	1320294	141.15	140.95	NM	103.02	NM	106.85	103.32	103.64
MW-32[3]	427493.5	1320670.2	145.27	145.01	105.18	104.71	NM	108.48	105.7	105.13
MW-33	427577.4	1320602	143.76	143.46	105.01	104.35	NM	108.08	105.35	104.72
MW-34	427647.7	1320498.6	143.02	142.6	103.58	103.00	NM	107.57	104.89	104.26
MW-35	427726.8	1320608.7	144.34	143.89	NM	103.89	NM	107.67	104.98	104.33
MW-36	427676.1	1320399.4	141.57	141.15	104.11	103.43	NM	107.24	104.62	104
MW-37	427969.4	1320251.9	142.37	141.96	NM	NM	NM	NM	NM	NM
MW-38	427653.6	1320491.4	143.36	143.28	104.33	104.43	NM	107.51	104.85	104.22
MW-39	427993.1	1320148.9	142.73	142.40	102.29	NM	NM	NM	102.9	102.17
MW-40	427859.5	1320316.6	142.56	142.1	103.66	102.87	NM	106.67	104.2	103.56
MW-41	427968.1	1320255	142.33	141.47	NM	NM	NM	NM	102.4	101.69
MW-42	428319.7	1320080.9	142.89	142.68	100.97	100.08	NM	103.9	101.54	100.75
MW-43	428757.5	1319841.1	141.91	141.51	99.44	97.49	NM	101.23	99.04	98.24

Notes

NM = not measured

[1] Depth to water measurements at MW-23 during Fourth Quarter 2017 monitoring are suspected of measurement error.

[2] First Quarter 2020 monitoring event was canceled due to the Coronavirus pandemic.

3 Casing damaged 12/9/2020, cut down 0.18 feet. Depth to water and top of casing elevations will be adjusted for all events after 12/9/2020.

Table 2. Vertical Groundwater Gradients at Monitoring Well Pairs

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Vertical Groundwater Gradient[1,2]	Well Pair	9/14/2019	12/28/2019	3/1/2020[3]	6/13/2020	9/25/2020	12/9/2020
Shallow to Intermediate Zone	MW-25/MW-32	0.0654	0.3794	--	--	0.3025	0.3086
	MW-3/MW-33	-0.0165	-0.0045	--	-0.0013	-0.0045	-0.0013
	MW-29/MW-34	0.0448	0.0437	--	0.0034	0.0011	0.0017
Shallow to Deep Zone	MW-29/MW-38	0.0011	-0.0179	--	0.0033	0.0016	0.0019
	MW-15/MW-40	-0.0091	-0.0075	--	-0.0061	-0.0067	-0.0080
Intermediate to Deep Zone	MW-37/MW-41	--	--	--	--	--	--

Notes:

[1] Vertical groundwater gradients are dimensionless.

[2] Gradients are calculated by shallower aquifer groundwater elevation minus deeper aquifer groundwater elevation divided by the distance between well screen midpoints. Positive values indicate a downward flow direction, while negative values indicate an upward flow direction.

[3] First Quarter 2020 monitoring event was canceled due to the Coronavirus pandemic.

Table 3A. Summary of Groundwater Sampling Analytical Results: Second Half 2020
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample Date	Pentachlorophenol	
			(µg/L)	
2020_09SIPMP	BXS-1	9/26/2020	19	
2020_09SIPMP	BXS-2	9/26/2020	0.32	UJ
2020_09SIPMP	BXS-3	9/26/2020	0.32	UJ
2020_09SIPMP	BXS-4	9/26/2020	0.31	UJ
2020_09SIPMP	HCMW-7	9/25/2020	0.19	U
2020_09SIPMP	MW-15	9/25/2020	0.59	UJ
2020_09SIPMP	MW-16	9/25/2020	0.19	U
2020_09SIPMP	MW-17	9/25/2020	0.18	U
2020_09SIPMP	MW-18	9/25/2020	0.19	U
2020_09SIPMP	MW-2	9/25/2020	0.18	U
2020_09SIPMP	MW-22	9/26/2020	3.2	J
2020_09SIPMP	MW-23	9/26/2020	29	J
2020_09SIPMP	MW-24	9/26/2020	39	J
2020_09SIPMP	MW-25	9/26/2020	260	J
2020_09SIPMP	MW-26	9/26/2020	0.35	UJ
2020_09SIPMP	MW-27	9/26/2020	0.19	UJ
2020_09SIPMP	MW-28	9/26/2020	0.95	UJ
2020_09SIPMP	MW-29	9/25/2020	0.32	UJ
2020_09SIPMP	MW-3	9/26/2020	1500	J
2020_09SIPMP	MW-30	9/26/2020	0.37	UJ
2020_09SIPMP	MW-31	9/25/2020	0.18	U
2020_09SIPMP	MW-32	9/26/2020	610	J
2020_09SIPMP	MW-33	9/26/2020	7.6	J
2020_09SIPMP	MW-34	9/25/2020	12	
2020_09SIPMP	MW-35	9/26/2020	0.39	UJ
2020_09SIPMP	MW-36	9/25/2020	20	
2020_09SIPMP	MW-38	9/25/2020	0.3	UJ
2020_09SIPMP	MW-39	9/26/2020	18	J
2020_09SIPMP	MW-40	9/25/2020	94	
2020_09SIPMP	MW-41	9/26/2020	160	J
2020_09SIPMP	MW-42	9/25/2020	0.32	UJ
2020_09SIPMP	MW-43	9/25/2020	0.3	UJ
2020_12SIPMP	BXS-1	12/10/2020	58	
2020_12SIPMP	BXS-2	12/10/2020	0.18	U
2020_12SIPMP	BXS-3	12/10/2020	0.28	J
2020_12SIPMP	BXS-4	12/11/2020	0.18	U
2020_12SIPMP	HCMW-7	12/10/2020	0.18	U
2020_12SIPMP	MW-15	12/10/2020	0.18	U
2020_12SIPMP	MW-17	12/10/2020	0.18	U
2020_12SIPMP	MW-18	12/11/2020	0.18	U
2020_12SIPMP	MW-2	12/11/2020	0.18	U
2020_12SIPMP	MW-22	12/11/2020	2.90	
2020_12SIPMP	MW-23	12/11/2020	0.19	U
2020_12SIPMP	MW-24	12/11/2020	73	
2020_12SIPMP	MW-25	12/11/2020	1600	J
2020_12SIPMP	MW-26	12/11/2020	0.18	U
2020_12SIPMP	MW-27	12/11/2020	0.18	U
2020_12SIPMP	MW-28	12/11/2020	0.18	U
2020_12SIPMP	MW-29	12/10/2020	0.20	J
2020_12SIPMP	MW-3	12/11/2020	1100	J+
2020_12SIPMP	MW-30	12/11/2020	0.18	U
2020_12SIPMP	MW-31	12/10/2020	0.18	U
2020_12SIPMP	MW-32	12/11/2020	140	J
2020_12SIPMP	MW-33	12/11/2020	11	
2020_12SIPMP	MW-34	12/10/2020	99	
2020_12SIPMP	MW-35	12/11/2020	0.92	UJ-
2020_12SIPMP	MW-36	12/10/2020	55	
2020_12SIPMP	MW-38	12/10/2020	0.19	U
2020_12SIPMP	MW-39	12/10/2020	64	
2020_12SIPMP	MW-40	12/10/2020	140	
2020_12SIPMP	MW-41	12/10/2020	230	
2020_12SIPMP	MW-42	12/11/2020	0.66	J
2020_12SIPMP	MW-43	12/9/2020	0.18	U

Notes:
µg/L = micrograms per liter
J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.
J- = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential negative bias.
J+ = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, and may have a potential postive bias.
U = Analyte was not detected above the sample method detection limit.

Table 3B. Analytical Results of Pentachlorophenol and Breakdown Products in Extraction Well Composite Samples

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Analyte[1]	Unit	9/14/2019[2]	12/28/2019[4]		3/1/2020[5]	6/14/2020[2]	9/24/2020[6]			12/9/2020[2]
			EW-1	EW-4			EW-1	EW-2	EW-4	
Pentachlorophenol	µg/L	--	--	--	--	380	67 B	130 B	550 B	210
2,4,5-Trichlorophenol	µg/L	ND	ND	0.16	--	ND	ND			ND
2,4,6-Trichlorophenol	µg/L	ND	ND	0.18	--	ND	ND			ND
2,3,4,5-Tetrachlorophenol	µg/L	--	--	--	--	--	--			19.0
2,3,5,6-Tetrachlorophenol	µg/L	NC	ND	NC	--	NC	17.0			NC
3,4-Dichlorophenol	µg/L	--	--	--	--	--	--			--
3,5-Dichlorophenol	µg/L	--	--	--	--	--	--			--
Total Tetrachlorophenols[3]	µg/L	--	--	--	--	--	17.0			19.0

Notes:

-- = not analyzed.

µg/L = micrograms per liter.

J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.

B = Analyte found in the associated method blank as well as in the sample, It indicates probable blank contamination.

ND = not detected.

NC = not calculated

[1] Analysis by EPA method 8151M.

[2] Sample composite from EW-1, EW-2, and EW-4.

[3] Total tetrachlorophenols comprises multiple tetrachlorophenol isomers, including 2,3,4,6-tetrachlorophenol and 2,3,5,6-tetrachlorophenol.

[4] Values are from discrete samples for EW-1 and EW-4. These samples were errroneously not comopsited or analyzed for PCP during the fourth quarter 2019 sampling event.

[5] 1Q20 sampling event was cancelled due to the Coronavirus pandemic.

[6] Pentachlorophenol was erroneously not composited by the analytical laboratory and reported separetly for each extraction well. Tetrachlorophenols were composited by the laboratory correctly.

Table 3C. Historical Analytical Results of Pentachlorophenol and Breakdown Products in Extraction Well Composite Samples

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Sample ID	Sample Date	2,4,5-Trichlorophenol (µg/L)		2,4,6-Trichlorophenol (µg/L)		2,3,4,5-Tetrachlorophenol (µg/L)		2,3,5,6-Tetrachlorophenol (µg/L)		Total Tetrachlorophenols[1] (µg/L)		3,4-Dichlorophenol (µg/L)		3,5-Dichlorophenol (µg/L)		Pentachlorophenol (µg/L)		Comments[2]
EW COMPOSITE	3/1/2019	0.16	U	0.042	U	0.042	U	7.8		7.8						210		EW-1, EW-2 & EW-4 only; Analysis by 8151M
EW COMPOSITE	6/2/2019	3.2	U	0.84	U	0.84	U	8.1	J	8.1	J					190		EW-1 & EW-4 only; Analysis by 8151M
EW COMPOSITE	9/14/2019	0.45	U	0.67	U			NC		7.2								EW-1, EW-2 & EW-4 only; Analysis by 8270D
EW -1	12/28/2019	0.38	U	0.57	U			0.38	U	2.88								Sample not composited; Analysis by 8270D
EW-4	12/28/2019	0.16	J	0.18	J			NC		26								Sample not composited; Analysis by 8270D
EW COMPOSITE[3]	3/1/2020	--		--		--		--		--		--		--		--		--
EW COMPOSITE	6/14/2020	0.4	U	0.6	U			NC		14						380		EW-1, EW-2 & EW-4 only; Analysis by 8270E/8270E SIM
EW COMPOSITE[4]	9/24/2020	0.4	U	0.6	U	--		17.0		17.0		--		--		67	B	Pentachlorophenol result from EW-1; Analysis by 8270E/8270E SIM.
																130	B	Pentachlorophenol result from EW-2; Analysis by 8270E/8270E SIM.
																550	B	Pentachlorophenol result from EW-4; Analysis by 8270E/8270E SIM.
EW COMPOSITE	12/9/2020	0.53	U	0.8	U	19.0		NC		19.0		--		--		210		EW-1, EW-2 & EW-4 only; Analysis by 8270E/8270E SIM

Notes:

-- = not analyzed.

µg/L = micrograms per liter.

B = Analyte found in the associated method blank as well as in the sample, It indicates probable blank contamination.

J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.

U =Analyte was not detected above the reported sample quantification limit.

NC = Not calculated

[1] Total tetrachlorophenols comprise of multiple tetrachlorophenol isomers, including 2,3,4,6-tetrachlorophenol and 2,3,5,6-tetrachlorophenol.

[2] EW-1, EW-5, and EW-6 were shut down because of a recurring high water level condition in the infiltration trench. EW-7 was discontinued with approval from the EPA in 2010.
EW-3 was shut down during the second quarter of 2013 and was off during sample collection.

[3] 1Q20 sampling event was cancelled due to the Coronavirus pandemic.

[4] Samples not composited correctly by analytical laboratory, Tetrachlorophenols were analyzed as a composite and Pentachlorophenol reported individually .

Table 4. Light Nonaqueous-Phase Liquid (LNAPL) Recovery

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Date	Well ID	Weight (pounds)			Volume (gallons)
		Total	Material	LNAPL	
4/7/2008	MW-12	2.24	0.53	1.71	0.20
6/2/2008	MW-12	2.34	0.53	1.81	0.22
7/28/2008	MW-12	2.14	0.54	1.60	0.19
9/26/2008	MW-12	1.9	0.46	1.44	0.17
11/24/2008	MW-12	2.22	0.54	1.68	0.20
1/7/2009	MW-13	2.12	0.56	1.56	0.19
3/5/2009	MW-12	2.35	0.64	1.71	0.20
4/1/2009	MW-12	2.58	0.64	1.94	0.23
5/27/2009	MW-12	2.76	0.68	2.08	0.25
11/19/2009	MW-12	NA	NA	1.82	NA
12/28/2009	MW-12	2.64	0.66	1.98	0.24
1/25/2010	MW-12	2.48	0.64	1.84	0.22
3/23/2010	MW-12	2.6	0.66	1.94	0.23
4/28/2010	MW-12	2.68	0.64	2.04	0.24
6/29/2010	MW-12	2.52	0.64	1.88	0.22
10/19/2010	MW-13	1.49	0.64	0.85	0.10
10/19/2010	MW-12	1.8	0.64	1.16	0.14
2/10/2011	MW-12	2.19	0.56	1.63	0.19
5/18/2011	MW-12	2.56	0.64	1.92	0.23
5/18/2011	MW-13	1.9	0.45	1.45	0.17
5/18/2011	MW-19	1.8	0.63	1.17	0.14
5/18/2011	MW-21	1.59	0.58	1.01	0.12
8/24/2011	MW-12	2.07	0.63	1.44	0.17
11/3/2011	MW-12	2.27	0.61	1.66	0.20
2/15/2012	MW-12	1.89	0.64	1.25	0.15
5/2/2012	MW-12	2.45	0.64	1.81	0.22
8/20/2012	MW-12	1.08	0.47	0.61	0.07
11/13/2012	MW-12	NC	NC	0	0.00
2/12/2013	MW-12	2.38	0.41	1.97	0.23
6/3/2013	MW-12	1.91	0.58	1.33	0.16
8/26/2013	MW-12	0.93	0.2	0.73	0.09
12/3/2013	MW-12	0.98	0.33	0.65	0.08
3/17/2014	MW-12	2.14	0.32	1.8	0.21
6/2/2014	MW-12	2.13	0.3	1.83	0.22
9/29/2014	MW-12	1.16	0.32	0.84	0.10
11/17/2014	MW-12	1.71	0.31	1.41	0.17
2/23/2015	MW-12	2.1	0.31	1.79	0.21
9/15/2015	MW-12	2.15	0.33	1.82	0.22
12/7/2015	MW-12	2.14	0.31	1.83	0.22
2/29/2016	MW-12	2.58	0.3	2.28	0.27

Table 4. Light Nonaqueous-Phase Liquid (LNAPL) Recovery

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Date	Well ID	Weight (pounds)			Volume (gallons)
		Total	Material	LNAPL	
6/5/2016	MW-12	3.06	0.44	2.62	0.31
9/25/2016	MW-12	2.61	0.26	2.35	0.28
11/8/2016	MW-12	2.44	0.31	2.13	0.25
3/8/2017	MW-12	1.39	0.31	1.08	0.13
6/10/2017	MW-13	1.42	0.31	1.11	0.13
6/10/2017	MW-12	2.41	0.31	2.10	0.25
9/16/2017	MW-12	0.99	0.31	0.68	0.08
12/13/2017	MW-12	0.91	0.33	0.58	0.07
12/13/2017	MW-13	0.86	0.29	0.58	0.07
3/16/2018	MW-12	2.05	0.25	1.79	0.21
3/16/2018	MW-13	1.01	0.31	0.70	0.08
6/16/2018	MW-12	0.47	0.25	0.22	0.03
6/16/2018	MW-13	0.26	0.26	0.00	0.00
11/18/2018	MW-12	3.96	0.31	3.65	0.43
11/18/2018	MW-13	4.08	0.31	3.77	0.45
3/17/2019	MW-12	7.11	0.20	6.91	0.82
3/17/2019	MW-13	6.98	0.20	6.78	0.81
6/2/2019	MW-12	7.16	0.19	6.97	0.83
6/2/2019	MW-13	7.11	0.19	6.92	0.82
9/14/2019	MW-12	7.13	0.19	6.94	0.83
9/14/2019	MW-13	7.03	0.19	6.84	0.81
12/29/2019	MW-12	NA	0.2 [1]	2 [1]	0.24 [1]
12/29/2019	MW-13	NA	0.2 [1]	2 [1]	0.24 [1]
6/14/2020	MW-12	1.71	0.20	1.51	0.18
6/14/2020	MW-13	0.61	0.23	0.38	0.05
6/14/2020	MW-21	0.74	0.22	0.52	0.06
9/27/2020	MW-12	0.23	0.21	0.02	0.0024
9/27/2020	MNW-13	0.53	0.21	0.32	0.04
9/27/2020	MW-20	1.13	0.22	0.91	0.11
9/27/2020	MW-21	0.24	0.22	0.02	0.0024
12/9/2020	MW-12	0.53	0.20	0.33	0.04
Total				134.0	15.74

Notes:

LNAPL = light non-aqueous phase liquid

[1] = Estimated

NA = not analyzed.

NC = no change, water level low.

Figures

LEGEND

- Cities
- Railroads
- Major Roads
- Watercourses

MAP NOTES:
Date: July 25, 2016
Data Sources: Air photo taken on September 28, 2015 by the USDA

FIGURE 1

Site Vicinity Map

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

N

0 0.5 1
Miles

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure1_Site_Vicinity_Map.mxd

FIGURE 2

Groundwater Monitoring Network

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well
- Recovery Well
- Extraction Well
- Infiltration Trench
- Property Boundary

N

0 150 300 450
Feet

Date: February 19, 2019
Data Sources: AMEC, ESRI, Air photo taken 2015 by NAIP

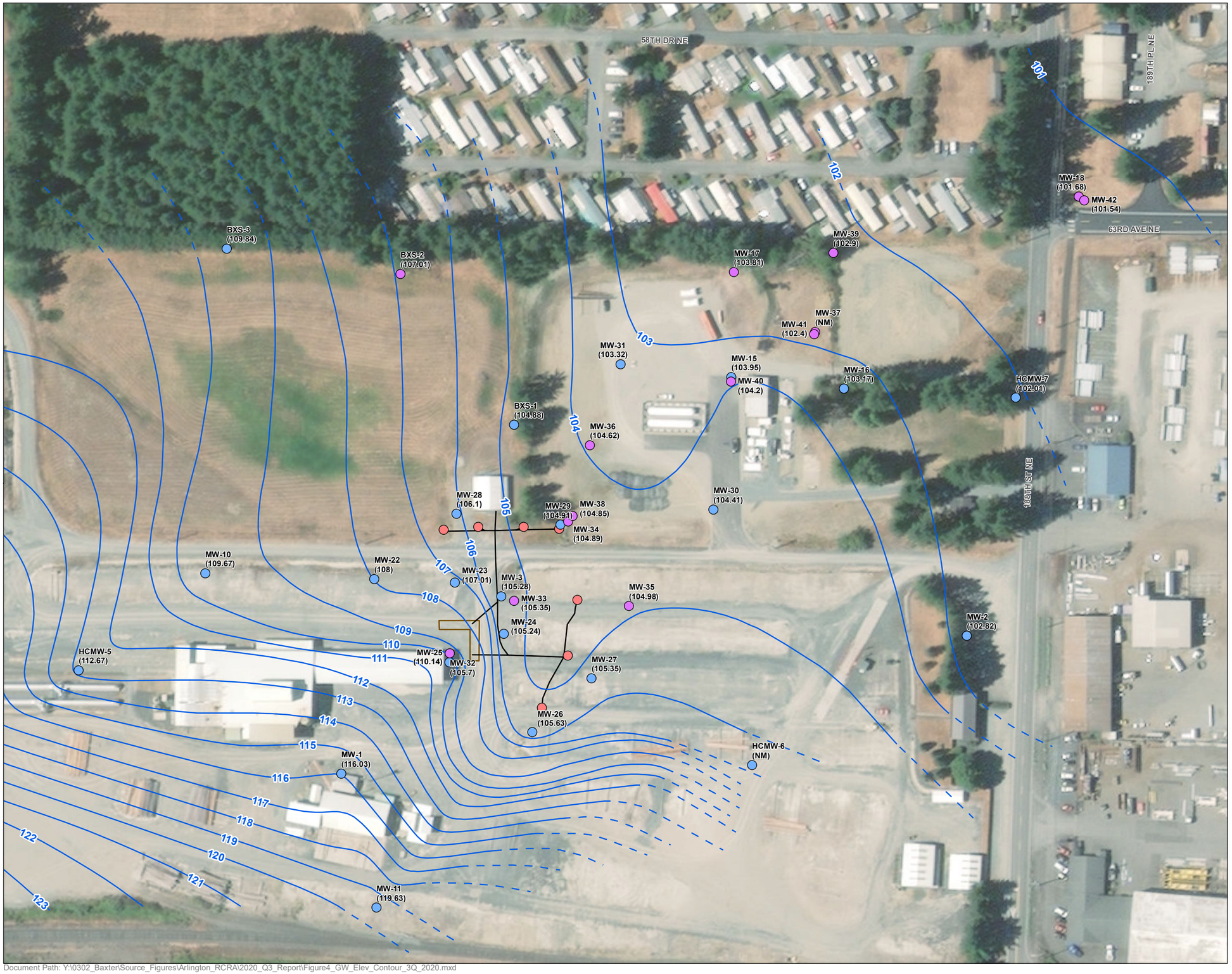
GSI Water Solutions, Inc.

Document Path: Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2018_2H_SA_Report\Figure2_GW_Monitoring_Network.mxd

FIGURE 3

Groundwater Elevation Contour Map: Third Quarter 2020

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington



LEGEND

- Shallow Monitoring Well (September 2020 Groundwater Elevation)
- Intermediate Monitoring Well (September 2020 Groundwater Elevation); Deep
- *Groundwater Elevation Contour (dashed where inferred)*
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

NM = Not Measured

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. Intermediate wells not used for contouring.

N

0 50 100 150
Feet

Date: January 27, 2021
Data Sources: AMEC, ESRI

GSI Water Solutions, Inc.

Document Path: Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2020_Q3_Report\Figure4_GW_Elev_Contour_3Q_2020.mxd

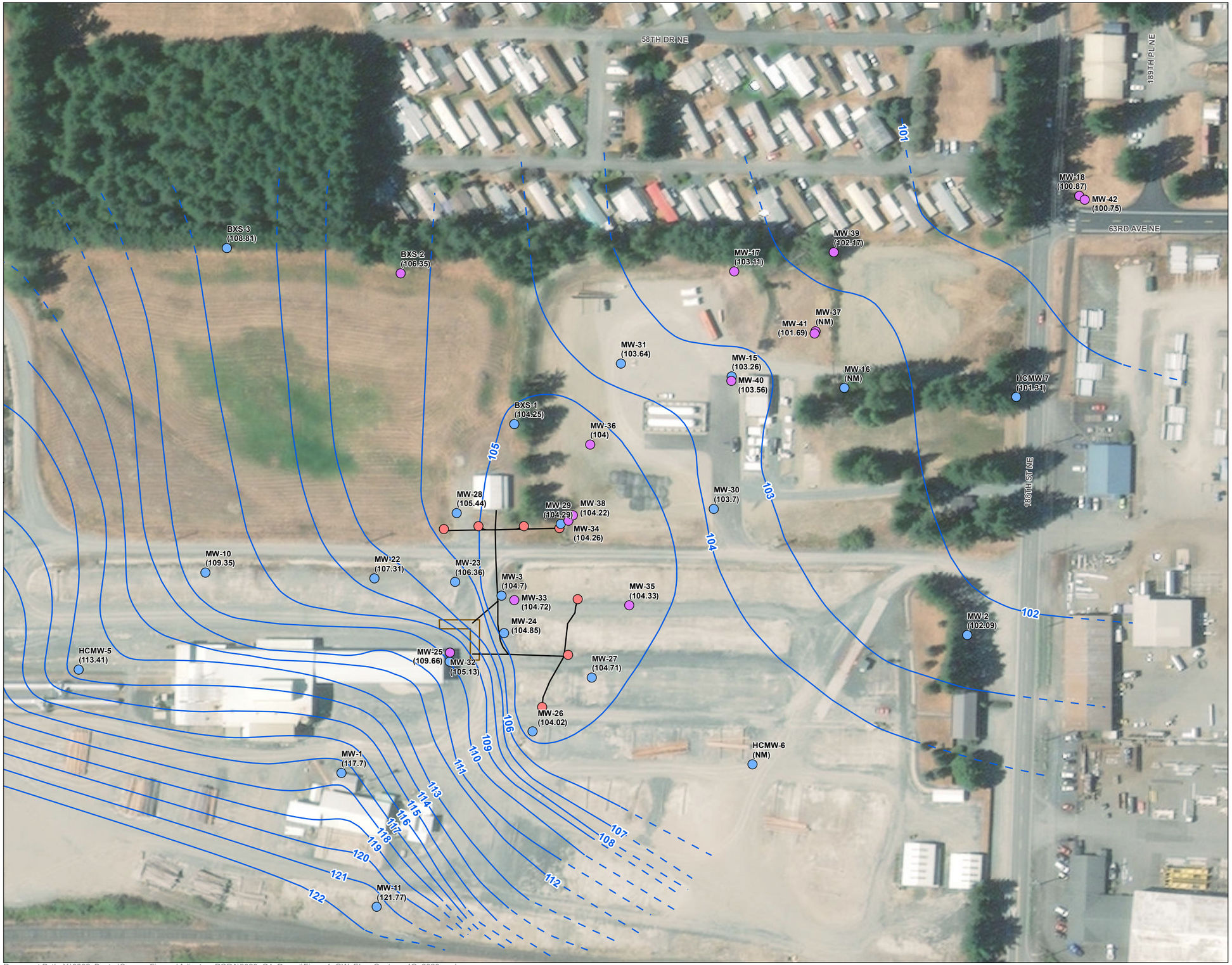


FIGURE 4

Groundwater Elevation Contour Map: Forth Quarter 2020

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington

LEGEND

- Shallow Monitoring Well (December 2020 Groundwater Elevation)
- Intermediate Monitoring Well (December 2020 Groundwater Elevation); Deep
- *Groundwater Elevation Contour (dashed where inferred)*
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

NM = Not Measured

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. Intermediate wells not used for contouring.

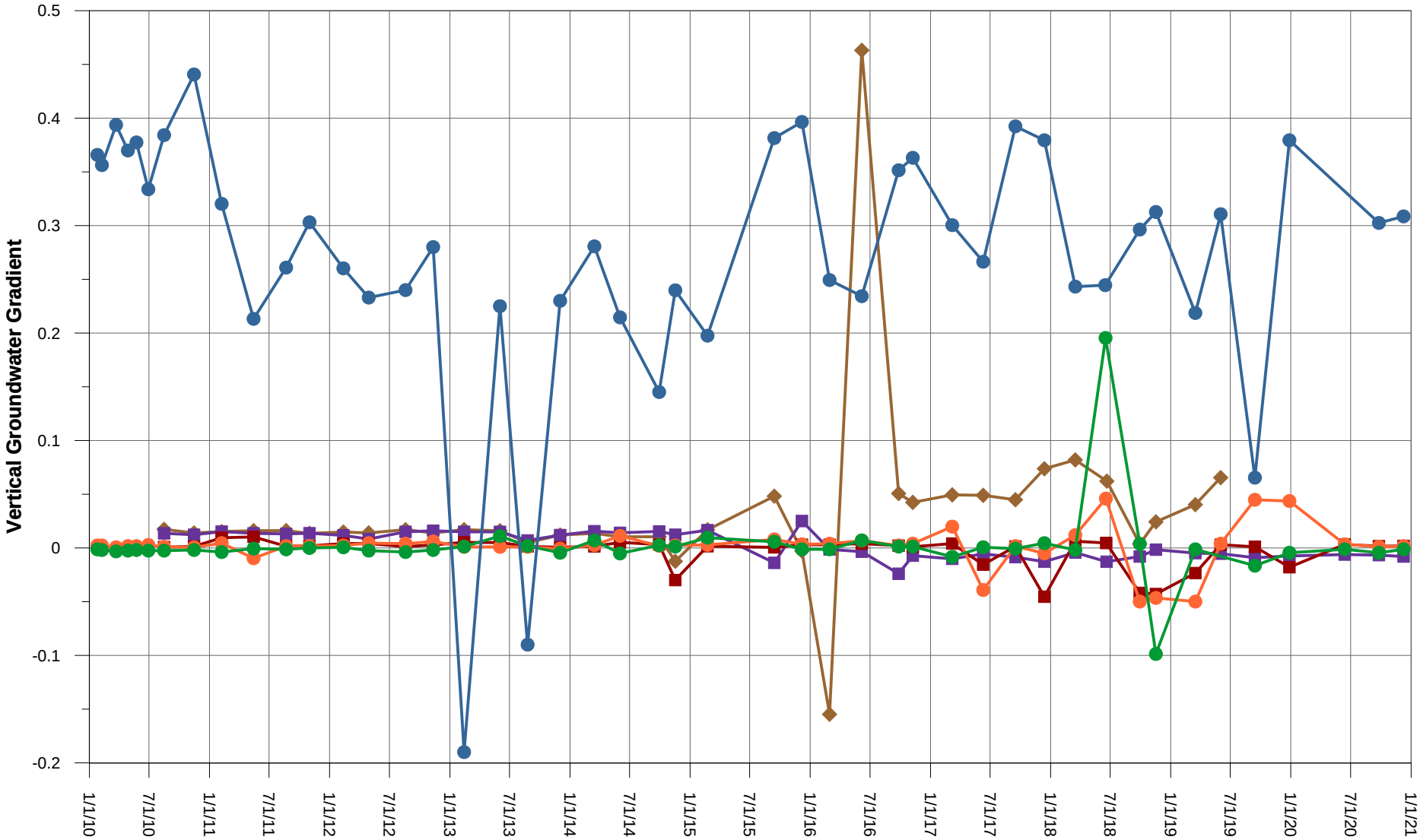
N

0 50 100 150
Feet

Date: January 27, 2021
Data Sources: AMEC, ESRI

GSI Water Solutions, Inc.

Document Path: Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2020_Q4_Report\Figure4_GW_Elev_Contour_4Q_2020.mxd



Legend:

- MW-25/MW-32, Shallow to Intermediate Zone
- MW-3/MW-33, Shallow to Intermediate Zone
- MW-29/MW-34, Shallow to Intermediate Zone
- MW-29/MW-38, Shallow to Deep Zone
- MW-15/MW-40, Shallow to Deep Zone
- MW-37/MW-41, Intermediate to Deep Zone

Notes:

Vertical groundwater gradients are dimensionless.
Positive values indicate a downward flow direction, while negative values indicate an upward flow direction.
In the vicinity of MW-25 and MW-32, a silt layer is approximately 20' below ground surface, and could account for larger vertical gradient.
1Q 2013 and 3Q 2013, the MW-25/MW-32 vertical gradient shifted from a downward gradient to upward gradient. The associated O&M reports cited numerous high level alarm errors during the 1Q 2013 period that shut the extraction system down, and possible human error as reasons for the change.
Suspect measurement at MW-37 in 2Q 2016.
Suspect measurement at MW-3/MW-33 in 2Q 2018.
No measurements taken in 3Q2019, 4Q2019 & 2Q2020 at MW-41.
No measurements taken in 3Q2019, 4Q2019, 2Q2020, 3Q2020 and 4Q2020 at MW-37.
No measurements taken in 2Q2020 at MW-25.
1Q2020 groundwater sampling was canceled due to the COVID 19 pandemic.

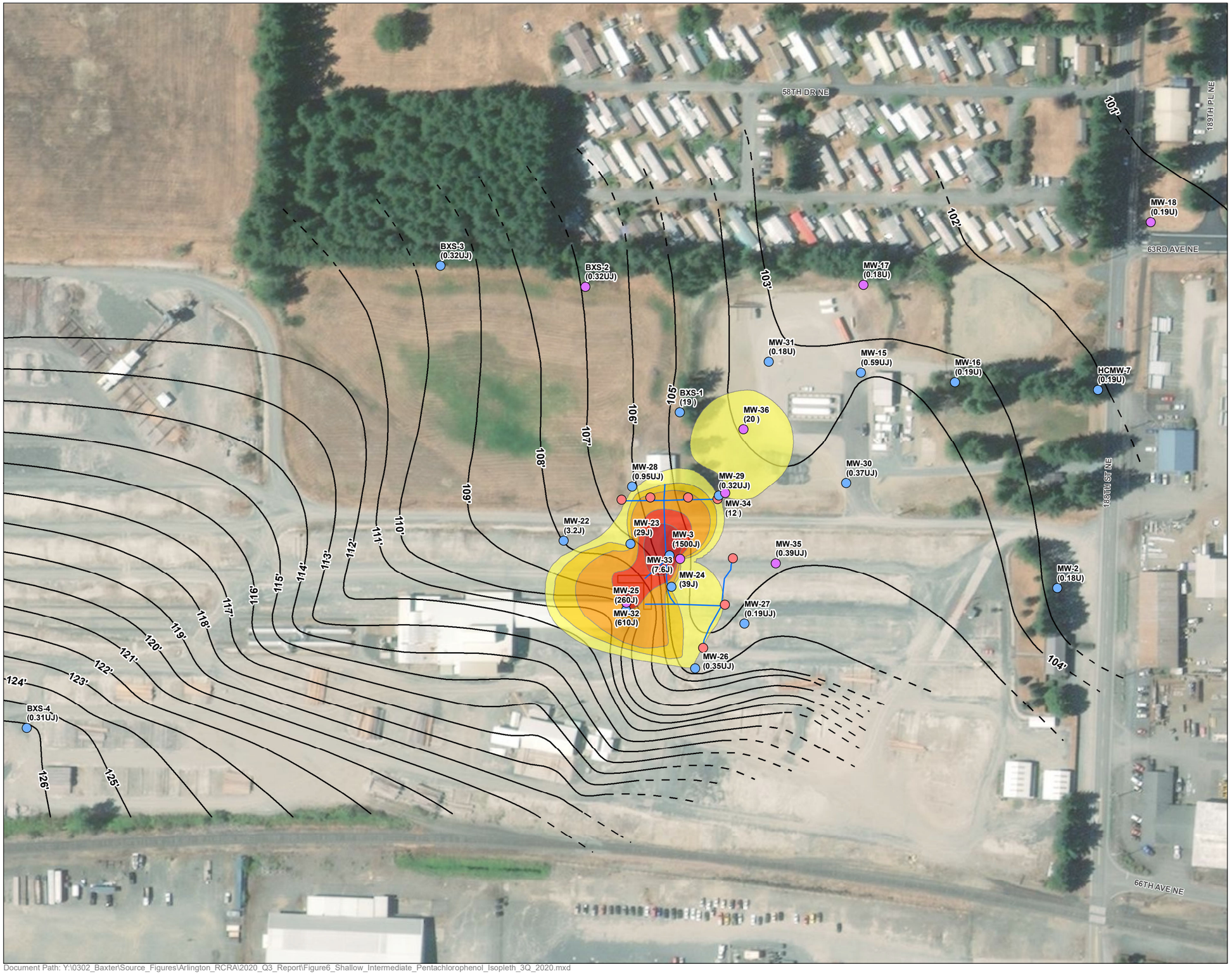
FIGURE 5
Vertical Groundwater Gradient Trends
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

FIGURE 6

Pentachlorophenol Isopleth Map: Third Quarter 2020

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington



LEGEND

- Shallow Monitoring Well (September 2020 Groundwater Elevation)
- Intermediate Monitoring Well (September 2020 Groundwater Elevation)

PCP Concentrations (ug/L)

- > 501
- 301-500
- 101-300
- 51-100
- 10-50

All Other Features

- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping
- *Groundwater Elevation Contour (dashed where inferred)*

NOTES:

ug/L = micrograms per liter
J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.
U = Analyte was not detected above the reported sample quantification limit.
NM = Not Measured
1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. Intermediate wells not used for contouring.

N

0 50 100 150
Feet

Date: January 27, 2021
Data Sources: AMEC, ESRI

GSI Water Solutions, Inc.

Document Path: Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2020_Q3_Report\Figure6_Shallow_Intermediate_Pentachlorophenol_Isopleth_3Q_2020.mxd

FIGURE 7

Pentachlorophenol Isopleth Map: Forth Quarter 2020

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington

LEGEND

- Shallow Monitoring Well (December 2020 Groundwater Elevation)
- Intermediate Monitoring Well (December 2020 Groundwater Elevation)

PCP Concentrations (ug/L)

- > 501
- 301-500
- 101-300
- 51-100
- 10-50

All Other Features

- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping
- *Groundwater Elevation Contour (dashed where inferred)*

NOTES:

ug/L = micrograms per liter
J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.
J- = The analyte was positively identified; the associated numerical.
J+ = The analyte was positively identified; the associated numerical
U = Analyte was not detected above the reported sample quantification limit.
NM = Not Measured
1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. Intermediate wells not used for contouring.

N

0 50 100 150
Feet

Date: January 27, 2021
Data Sources: AMEC, ESRI

GSI Water Solutions, Inc.

Document Path: Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2020_Q4_Report\Figure5_Shallow_Intermediate_Pentachlorophenol_Isopleth_4Q_2020.mxd

FIGURE 8

Deep Pentachlorophenol Isopleth Map: Third Quarter 2020

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington

LEGEND

- Deep Monitoring Well and Pentachlorophenol (PCP) Concentration (µg/L)

PCP Concentrations (ug/L)

- > 500
- 300-500
- 100-300
- 50-100
- 10-50

All Other Features

- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

ug/L = micrograms per liter
J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.
U = Analyte was not detected above the reported sample quantification limit.
NM = Not Measured
1. All elevations exist in NAVD88.

N

0 50 100 150
Feet

Date: January 27, 2021
Data Sources: AMEC, ESRI

GSI Water Solutions, Inc.

Document Path: Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2020_Q3_Report\Figure6_Deep_PentachlorophenoI_Isopleth_3Q_2020.mxd

FIGURE 9

Deep Pentachlorophenol Isopleth Map: Forth Quarter 2020

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington

LEGEND

- Deep Monitoring Well and Pentachlorophenol (PCP) Concentration (µg/L)

PCP Concentrations (ug/L)

- > 501
- 301-500
- 101-300
- 51-100
- 10-50

All Other Features

- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

ug/L = micrograms per liter
J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.
U = Analyte was not detected above the reported sample quantification limit.
NM = Not Measured
1. All elevations exist in NAVD88.

N

0 50 100 150
Feet

Date: January 21, 2021
Data Sources: AMEC, ESRI

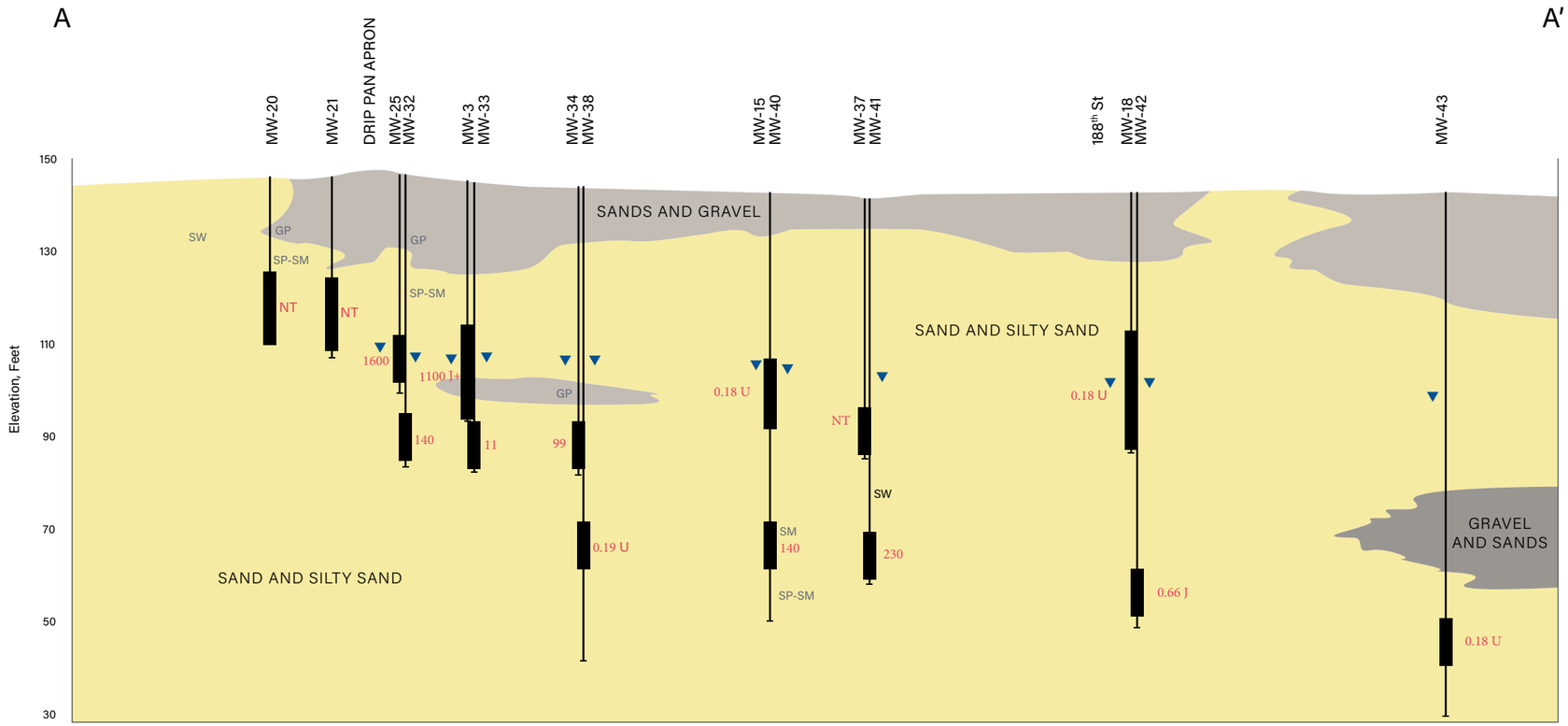
GSI Water Solutions, Inc.

Document Path: Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2020_Q4_Report\Figure6_Deep_PentachlorophenolIsopleth_4Q_2020.mxd

FIGURE 7

Cross Section A-A'
Pentachlorophenol in Groundwater
Fourth Quarter 2020

Former J.H. Baxter
Wood Treating Facility
Arlington, Washington

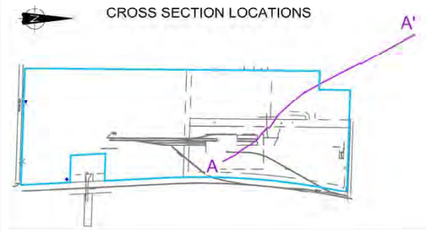


LEGEND

- 340 — Pentachlorophenol (PCP) Concentration in ug/L
- ▼ — Approximate Water Level in June 2020
- Monitoring Well Cluster, Identifier, and Screen Interval
- Sands and Gravel
- Gravel and Sands
- Sand and Silty Sand

NOTES:

GP:	Poorly Graded Gravel
ND:	Not Detected
NT:	Not Tested
SM:	Silty Sand
SP-SM:	Poorly Graded Sand with Silt
SW:	Well Graded Sand



N

0 112.5 225 337.5
Feet

MAP NOTES:

Data Sources: Amec, Figure 39, July 17, 2019

GSI Water Solutions, Inc.

Y:\0302_Baxter\Source_Figures\Arlington_RCRA\2019_1H_SA_Report

Appendix A

FIGURE A-1

Cross Section Location Map

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Cross Section Lines
- Monitoring Well
- Recovery Well
- Extraction Well
- Infiltration Trench

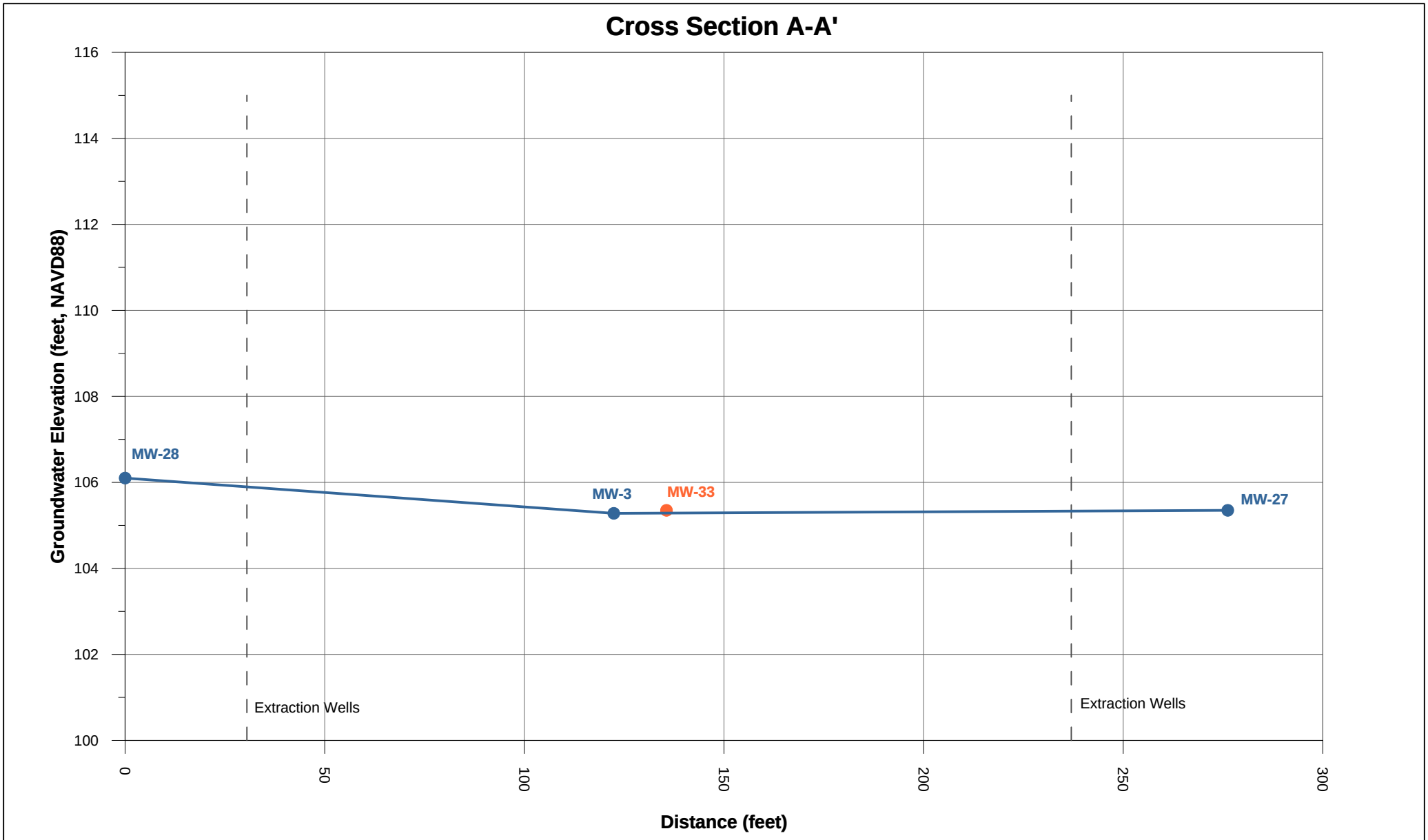
N

0 150 300 450
Feet

MAP NOTES:
Date: March 12, 2015
Data Sources: AMEC, ESRI, Air photo taken on July 9, 2010 by Microsoft

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2014_Q4_Report\FigureA-1_Cross_Section_Location_Map.mxd

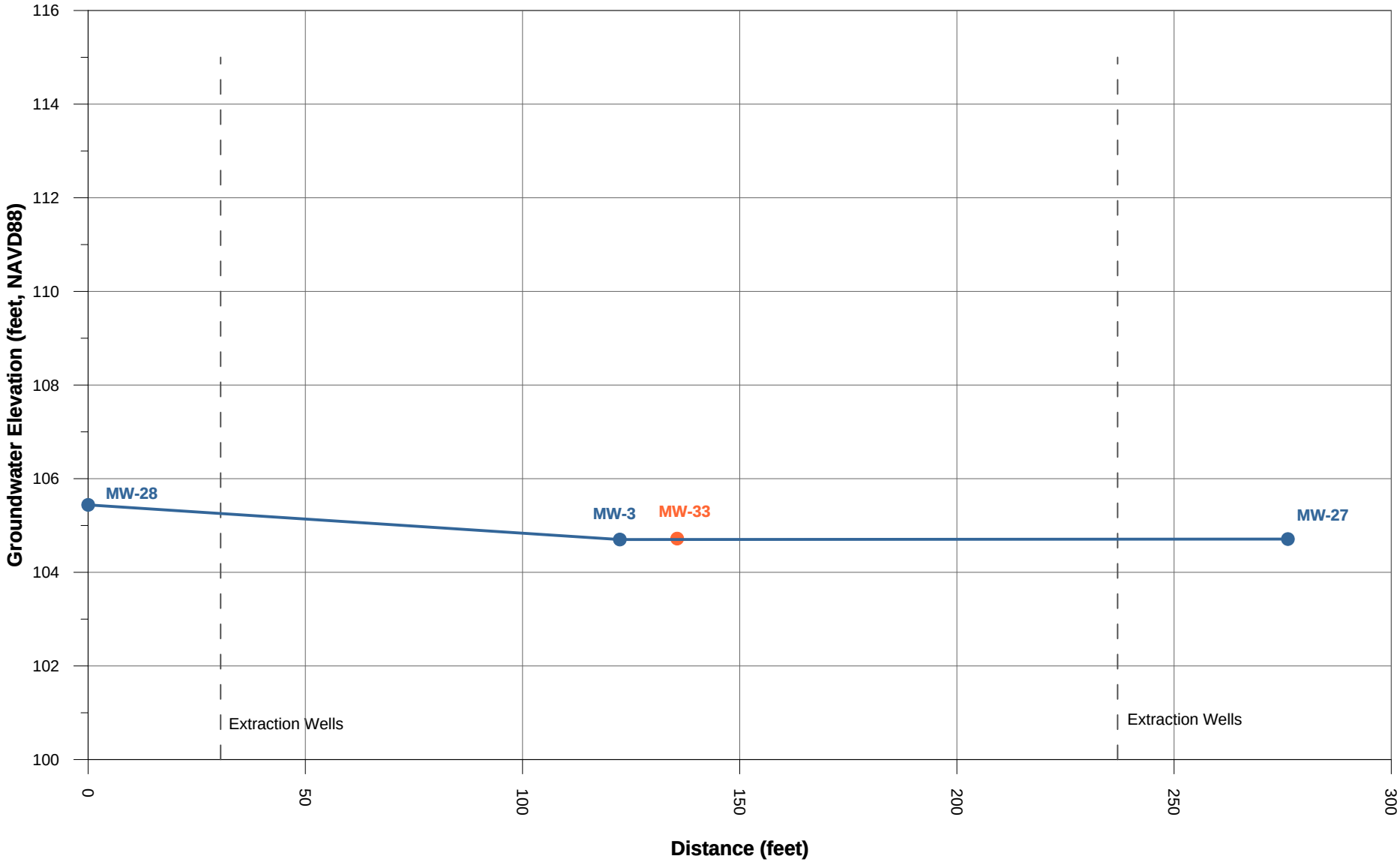


Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation

FIGURE A-2
Third Quarter 2020 Groundwater Elevation
Cross Section A-A'
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

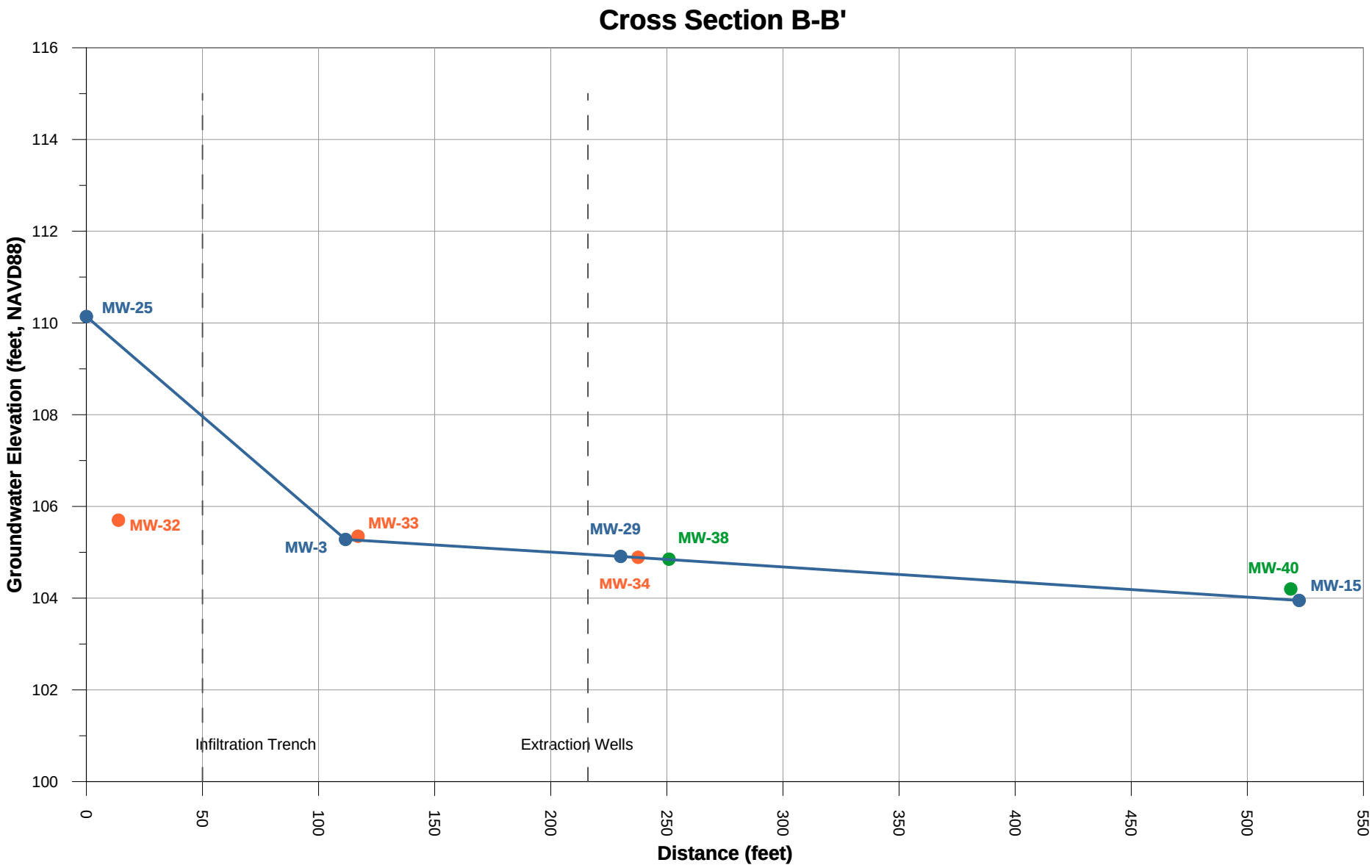


Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation

FIGURE A-3
Fourth Quarter 2020 Groundwater Elevation
Cross Section A-A'
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation
- Deep Well Groundwater Elevation

Notes:

In vicinity of MW-25 and MW-32, a silt layer is approximately 20' below ground surface; could account for larger differences in groundwater elevation in well pair.

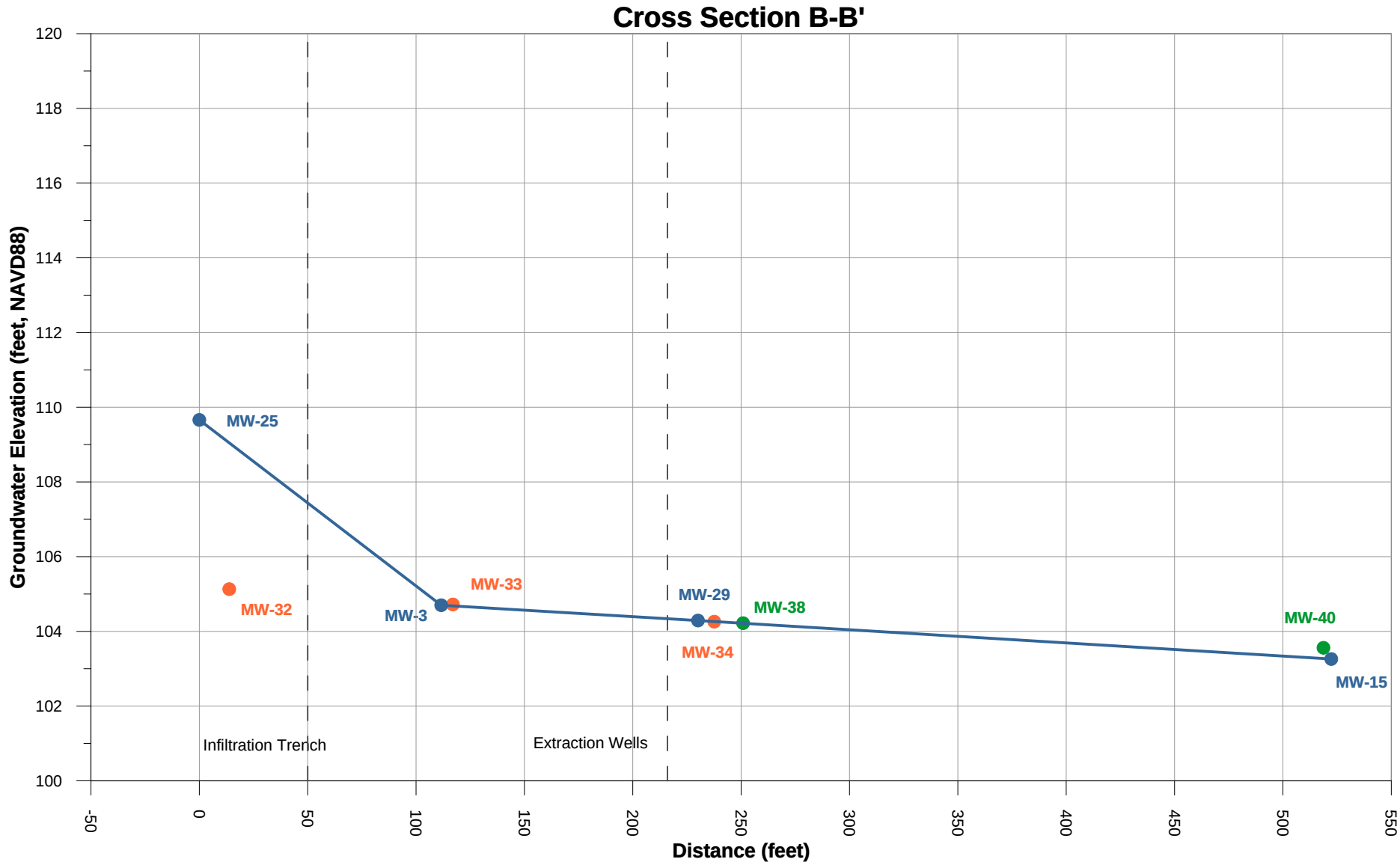
FIGURE A-4

Third Quarter 2020 Groundwater Elevation Cross Section B-B'

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation
- Deep Well Groundwater Elevation

Notes:

In vicinity of MW-25 and MW-32, a silt layer is approximately 20' below ground surface; could account for larger differences in groundwater elevation in well pair.

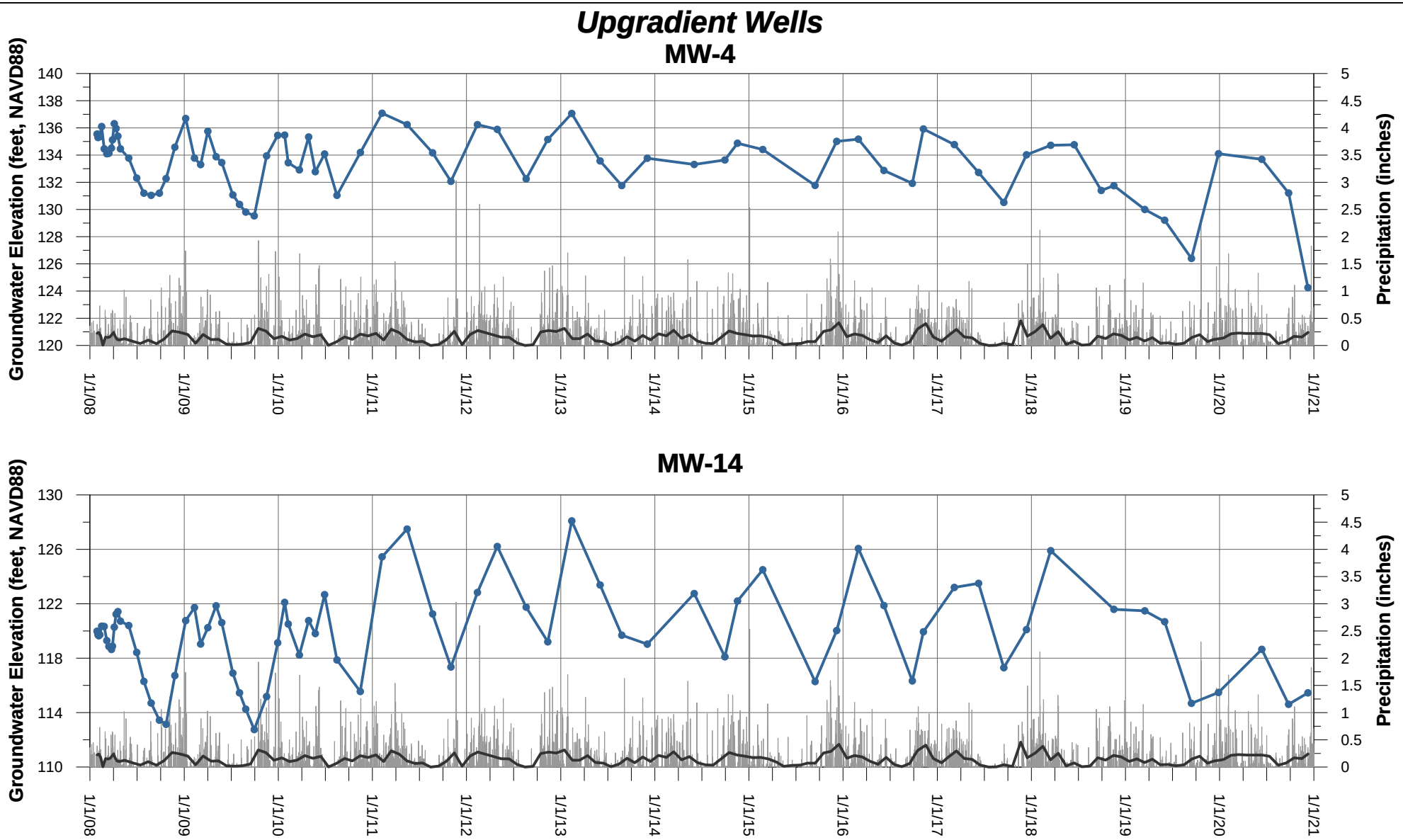
FIGURE A-5

Fourth Quarter 2020 Groundwater Elevation Cross Section B-B'

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-6

MW-4 and MW-14 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

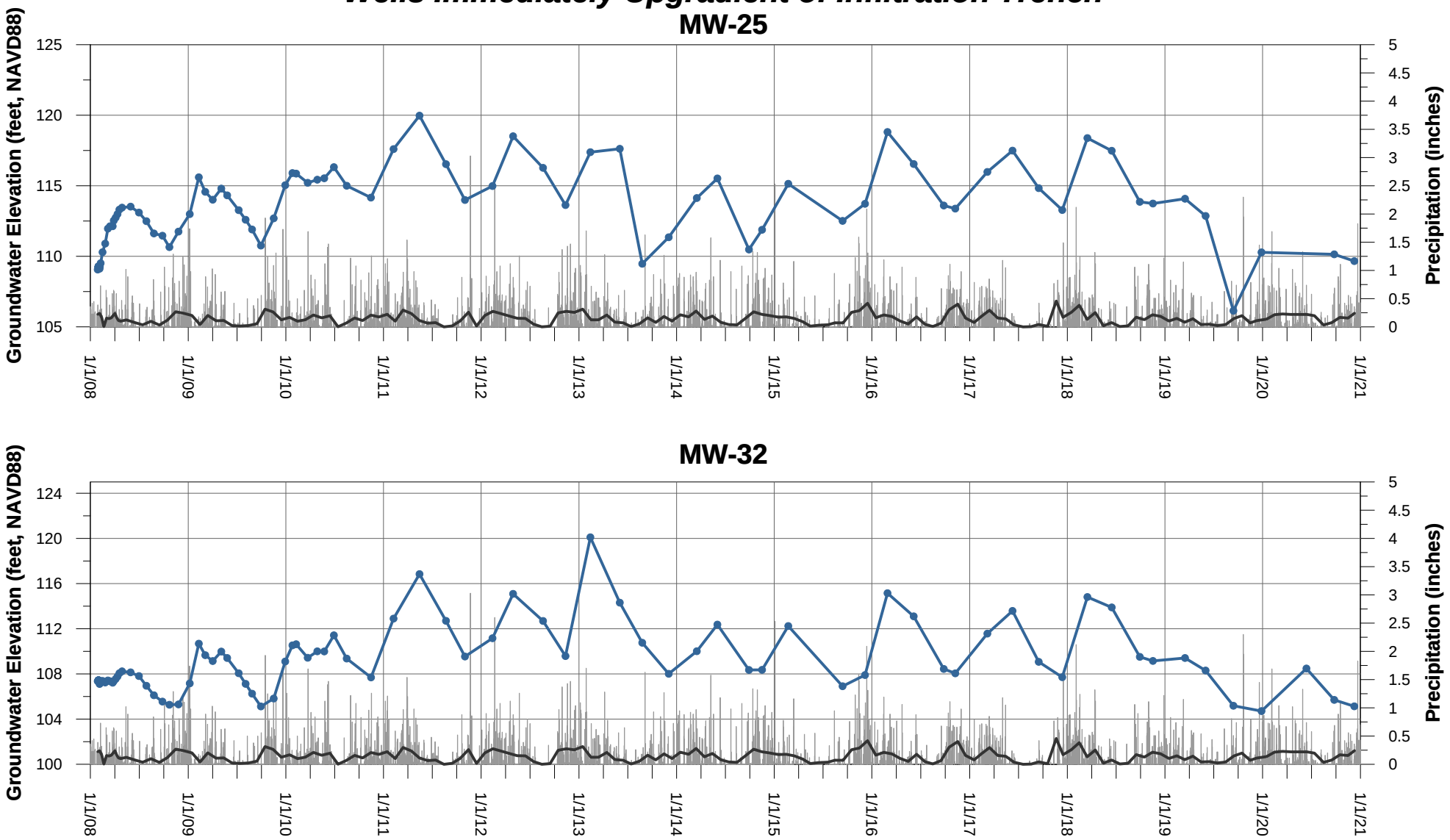
Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station US1WASN0089 and US1WASN0043 in Marysville, WA .
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.

Wells Immediately Upgradient of Infiltration Trench



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-7

MW-25 and MW-32 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

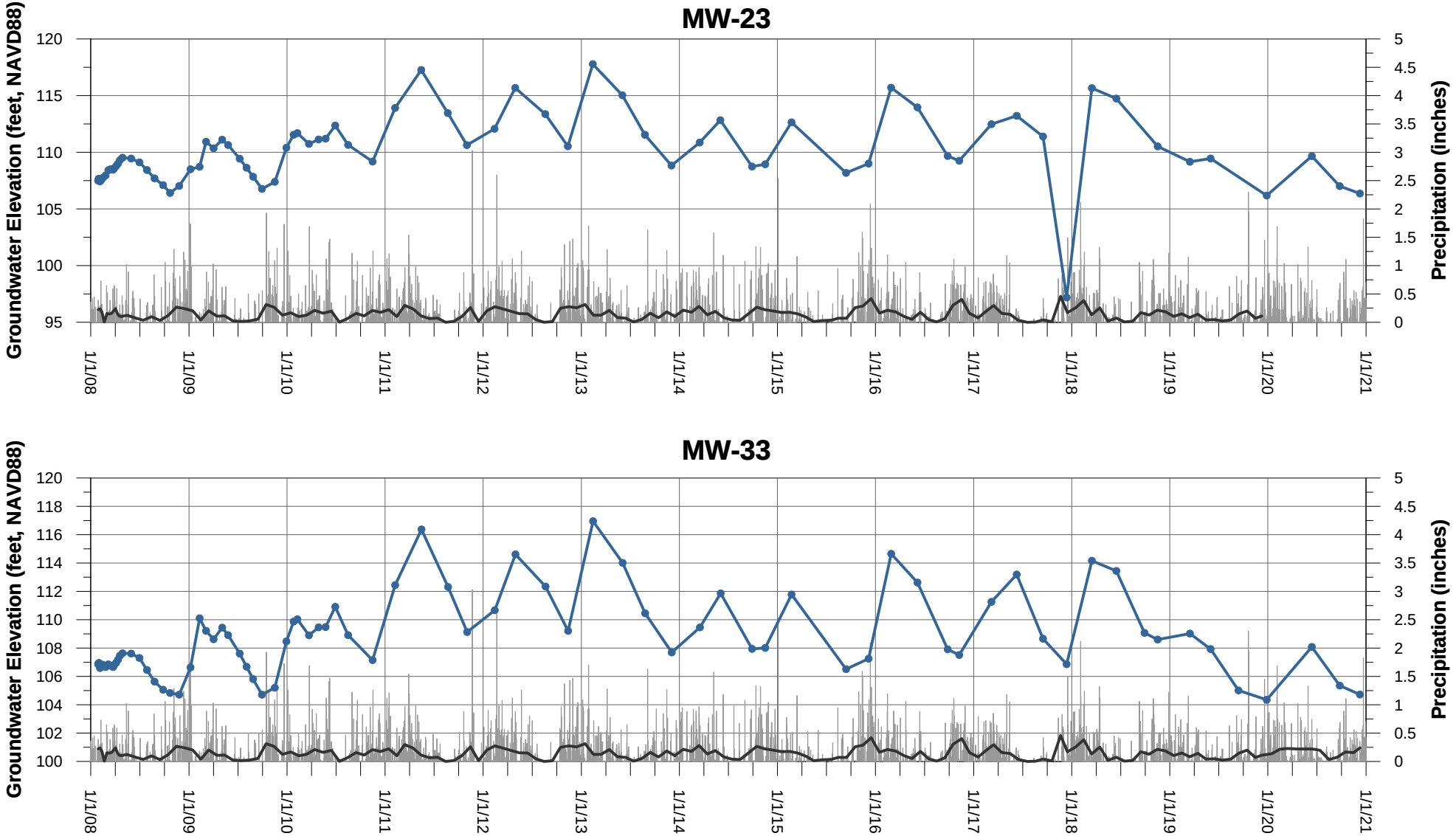
Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station US1WASN0089 and US1WASN0043 in Marysville, WA .
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.

Wells Between Infiltration Trench and Extraction Wells



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-8

MW-23 and MW-33 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

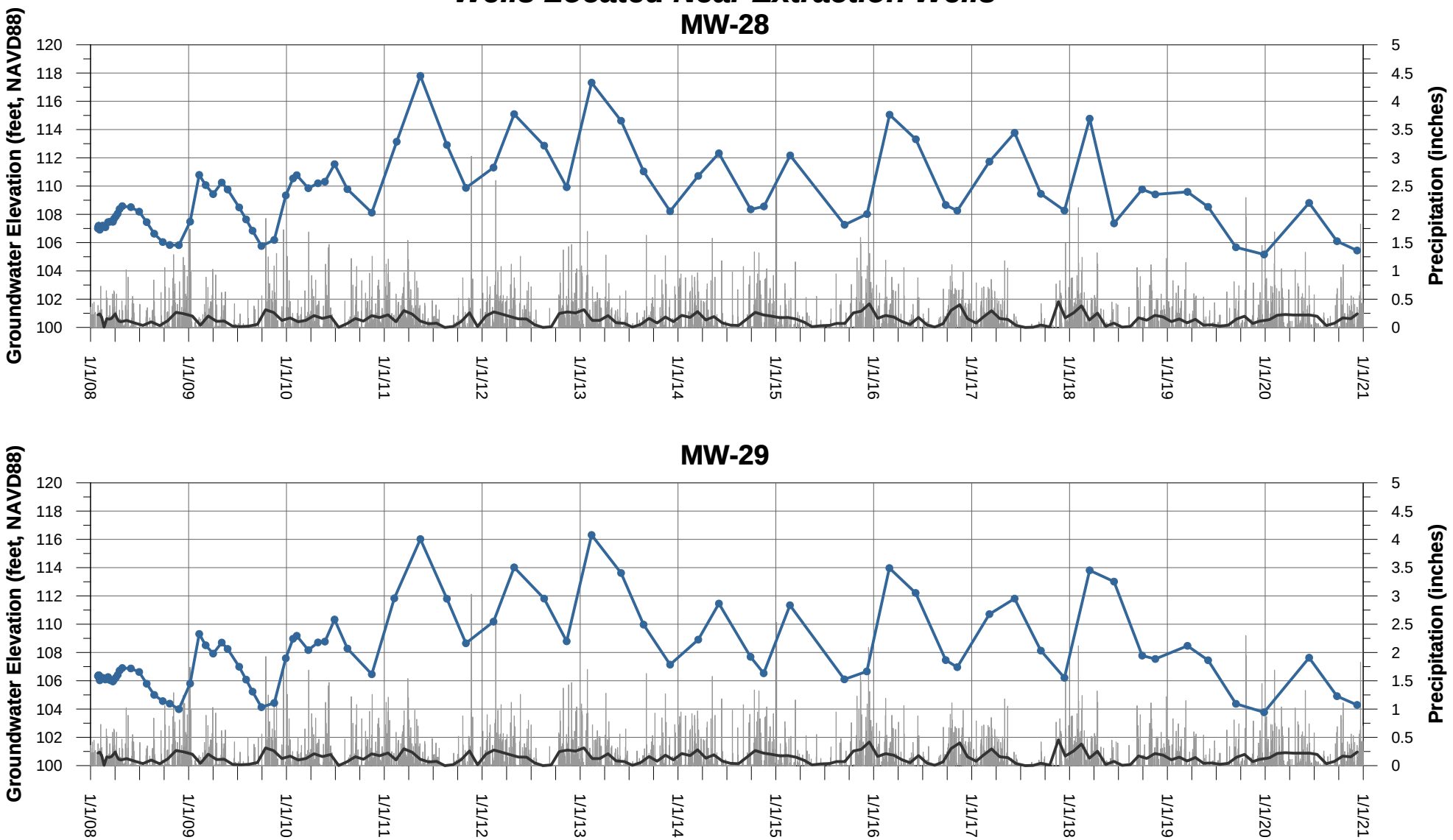
Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station US1WASN0089 and US1WASN0043 in Marysville, WA .
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.

Wells Located Near Extraction Wells



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-9

MW-28 and MW-29 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

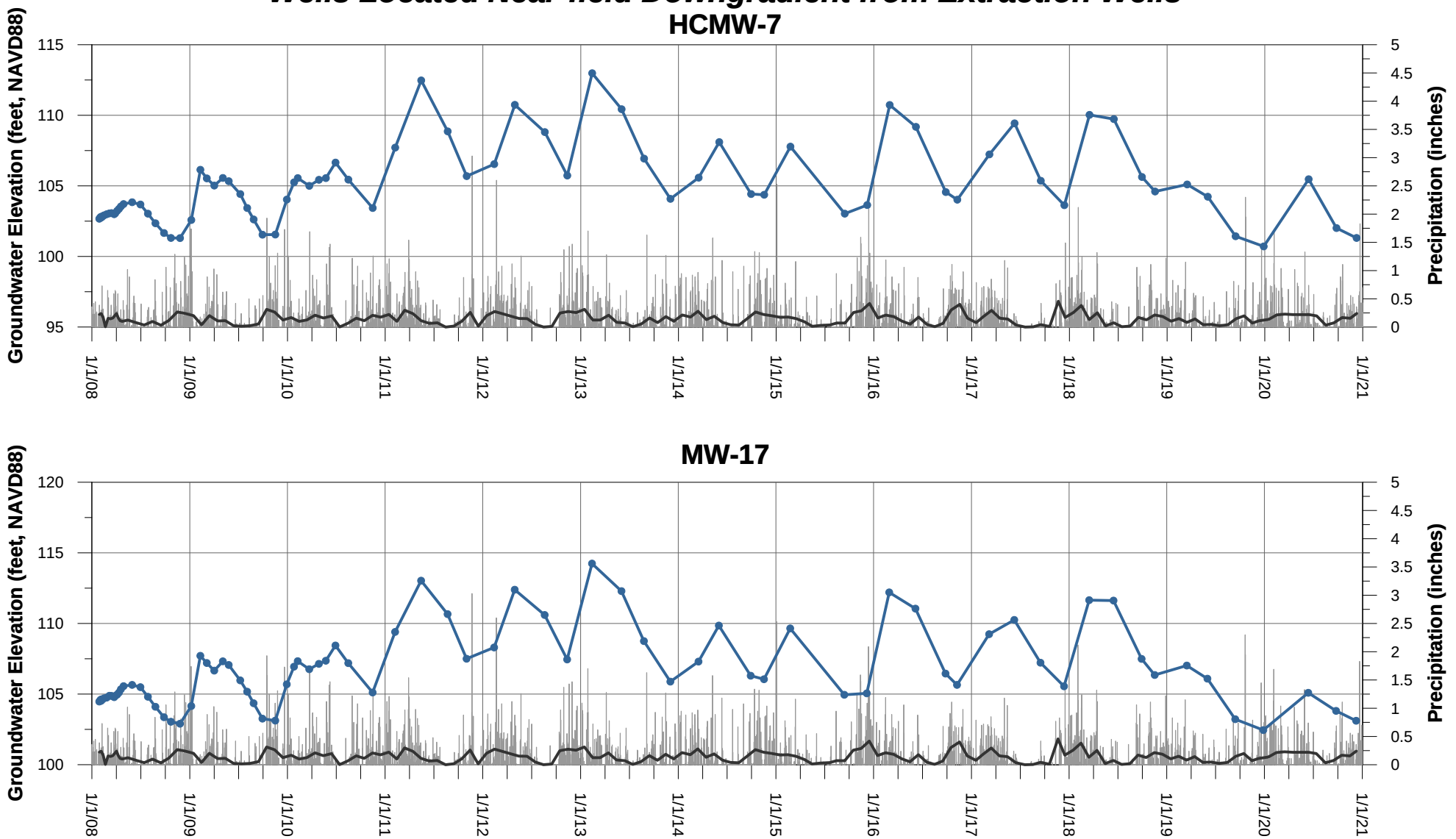
Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station US1WASN0089 and US1WASN0043 in Marysville, WA .
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.

Wells Located Near-field Downgradient from Extraction Wells



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-10

HCMW-7 and MW-17 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

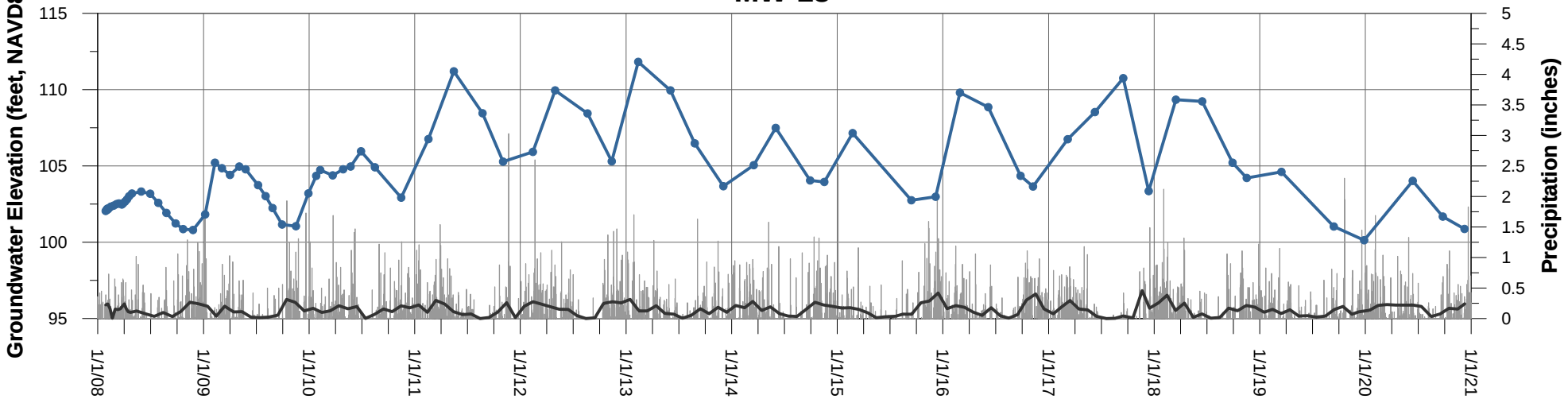
Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station US1WASN0089 and US1WASN0043 in Marysville, WA .
Precipitation includes rain and/or snow melt.

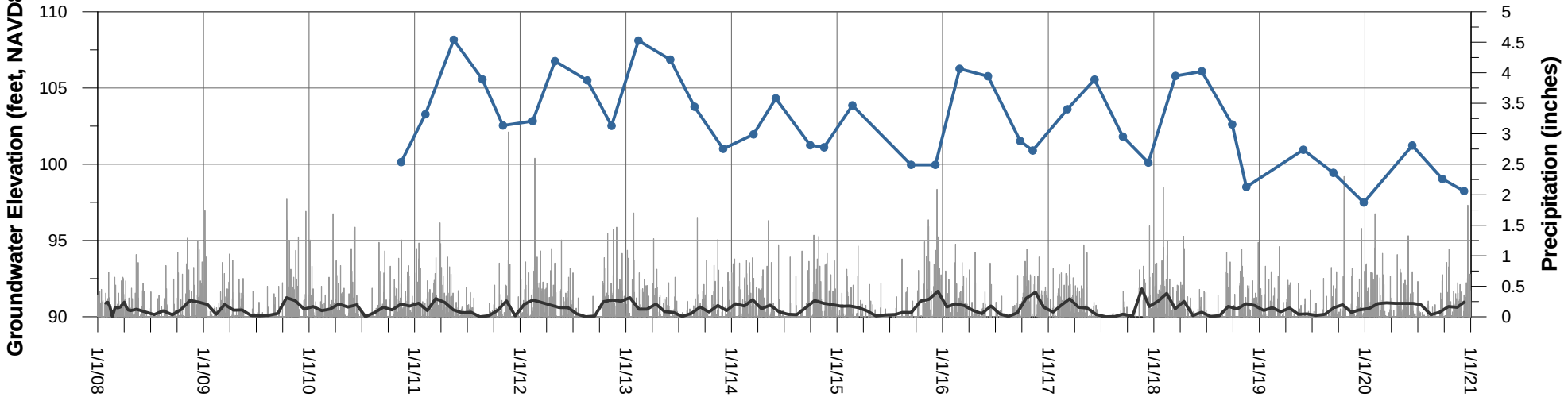
GSI Water Solutions, Inc.

Site Downgradient Wells

MW-18



MW-43



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-11

MW-18 and MW-43 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station US1WASN0089 and US1WASN0043 in Marysville, WA .
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.

Appendix B

(provided on CD only)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-97849-1
Client Project/Site: Baxter Arlington - Groundwater

For:
J. H. Baxter & Co.
1700 S. El Camino Real
Suite 365
San Mateo, California 94402

Attn: Georgia Baxter

Authorized for release by:
10/12/2020 4:48:43 PM

Sheri Cruz, Project Manager I
(253)922-2310
Sheri.Cruz@Eurofinset.com

Table of Contents

Job ID: 580-97849-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative
580-97849-1

Comments
No additional comments.

Receipt
The samples were received on 9/29/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.3º C, 0.6º C, 1.5º C, 2.7º C and 3.3º C.

GC/MS Semi VOA
Method 8270E SIM: The method blank for preparation batch 580-339616 and analytical batch 580-339739 contained Pentachlorophenol above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-analysis of samples was not performed.

Method 8270E SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-339860 and analytical batch 580-340014 recovered outside control limits for the following analytes: Pentachlorophenol.

Method 8270E SIM: The following samples were diluted to bring the concentration of target analytes within the calibration range: GW-EW-01-0920 (580-97849-1), GW-EW-02-0920 (580-97849-2), GW-EW-04-0920 (580-97849-3), GW-MW-36-0920 (580-97849-13), GW-MW-40-0920 (580-97849-15), GW-BXS-01-0920 (580-97849-19), GW-MW-03-0920 (580-97849-23), GW-MW-23-0920 (580-97849-26), GW-MW-24-0920 (580-97849-27), GW-MW-25-0920 (580-97849-28), GW-MW-32-0920 (580-97849-33), GW-MW-39-0920 (580-97849-36) and GW-MW-41-0920 (580-97849-37). Elevated reporting limits (RLs) are provided.

Method 8270E SIM: The following sample required a dilution due to the nature of the sample matrix: GW-EW-02-0920 (580-97849-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 580-97849.

Method 3510C: The following sample formed emulsions during the extraction procedure: GW-HCMW-07-0920 (580-97849-5). The emulsions were broken up using sodium sulfate and a solvent rinse.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with this batch. A LCS and LCSD were used instead.

Method 3510C: The following sample formed emulsions during the extraction procedure: GW-MW-26-0920 (580-97849-29). The emulsions were broken up using sodium sulfate and a solvent rinse.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-EW-01-0920
Date Collected: 09/24/20 17:00
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-1
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	67	B	51	9.2	ug/L		09/30/20 11:30	10/01/20 15:07	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*35 - 133*	*09/30/20 11:30*	*10/01/20 15:07*	*50*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-EW-02-0920
Date Collected: 09/24/20 17:05
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-2
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	130	B	100	18	ug/L		09/30/20 11:30	10/01/20 15:30	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*134*	*X*	*35 - 133*	*09/30/20 11:30*	*10/01/20 15:30*	*100*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-EW-04-0920
Date Collected: 09/24/20 17:10
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-3
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	550	B	110	19	ug/L		09/30/20 11:30	10/01/20 15:52	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*35 - 133*	*09/30/20 11:30*	*10/01/20 15:52*	*100*

Client: J. H. Baxter & Co.
Job ID: 580-97849-1
Project/Site: Baxter Arlington - Groundwater

Client Sample ID: Phenols Composite
Lab Sample ID: 580-97849-4
Date Collected: 09/24/20 17:00
Matrix: Water
Date Received: 09/29/20 10:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.60	0.10	ug/L		09/30/20 12:18	10/01/20 14:10	1
2,4,5-Trichlorophenol	ND		0.40	0.10	ug/L		09/30/20 12:18	10/01/20 14:10	1
2,3,4,6-Tetrachlorophenol	**17**		0.70	0.10	ug/L		09/30/20 12:18	10/01/20 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*65*		*14 - 120*	*09/30/20 12:18*	*10/01/20 14:10*	*1*
Phenol-d5 (Surr)	*42*		*10 - 120*	*09/30/20 12:18*	*10/01/20 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*118*		*50 - 125*	*09/30/20 12:18*	*10/01/20 14:10*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-HCMW-07-0920

Date Collected: 09/25/20 13:31
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-5

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.1	0.19	ug/L		10/01/20 13:54	10/02/20 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 133*	*10/01/20 13:54*	*10/02/20 12:05*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-02-0920
Date Collected: 09/25/20 07:32
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-6
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		10/01/20 13:54	10/02/20 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 133*	*10/01/20 13:54*	*10/02/20 12:28*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-15-0920
Date Collected: 09/25/20 14:11
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-7
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.59	J	1.1	0.19	ug/L		10/01/20 13:54	10/02/20 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*35 - 133*	*10/01/20 13:54*	*10/02/20 12:50*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-17-0920
Date Collected: 09/25/20 15:25
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-8
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		10/01/20 13:54	10/02/20 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 133*	*10/01/20 13:54*	*10/02/20 13:13*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-18-0920
Date Collected: 09/25/20 09:47
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-9
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.19	ug/L		10/01/20 13:54	10/02/20 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*35 - 133*	*10/01/20 13:54*	*10/02/20 13:36*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-29-0920
Date Collected: 09/25/20 18:33
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-10
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.32	J	1.0	0.19	ug/L		10/01/20 13:54	10/02/20 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*35 - 133*	*10/01/20 13:54*	*10/02/20 13:58*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-31-0920
Date Collected: 09/25/20 19:39
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-11
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		10/01/20 13:54	10/02/20 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*35 - 133*	*10/01/20 13:54*	*10/02/20 14:21*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-34-0920
Date Collected: 09/25/20 17:52
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-12
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	12		1.0	0.18	ug/L		10/01/20 13:54	10/02/20 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 133*	*10/01/20 13:54*	*10/02/20 14:43*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-36-0920
Date Collected: 09/25/20 18:59
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-13
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	20		5.1	0.92	ug/L		10/01/20 13:54	10/05/20 10:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 133*	*10/01/20 13:54*	*10/05/20 10:30*	*5*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-38-0920
Date Collected: 09/25/20 17:29
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-14
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.28	J	1.0	0.18	ug/L		10/01/20 13:54	10/02/20 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 133*	*10/01/20 13:54*	*10/02/20 15:29*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-40-0920
Date Collected: 09/25/20 14:42
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-15
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	94		10	1.9	ug/L		10/01/20 13:54	10/05/20 10:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 133*	*10/01/20 13:54*	*10/05/20 10:52*	*10*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-42-0920
Date Collected: 09/25/20 10:23
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-16
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.32	J	1.0	0.19	ug/L		10/01/20 13:54	10/02/20 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 133*	*10/01/20 13:54*	*10/02/20 16:14*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-43-0920
Date Collected: 09/25/20 08:42
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-17
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.30	J	1.1	0.19	ug/L		10/01/20 13:54	10/02/20 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 133*	*10/01/20 13:54*	*10/02/20 16:37*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: Equipment-Blank-0920
Date Collected: 09/25/20 20:30
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-18
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.30	J	0.98	0.18	ug/L		10/01/20 13:54	10/02/20 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 133*	*10/01/20 13:54*	*10/02/20 16:59*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-BXS-01-0920
Date Collected: 09/26/20 07:28
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-19
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	19		5.3	0.95	ug/L		10/01/20 13:54	10/05/20 11:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 133*	*10/01/20 13:54*	*10/05/20 11:15*	*5*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-BXS-02-0920
Date Collected: 09/26/20 08:31
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-20
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.32	J	1.0	0.19	ug/L		10/01/20 13:54	10/02/20 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 133*	*10/01/20 13:54*	*10/02/20 17:44*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-BXS-03-0920
Date Collected: 09/26/20 08:53
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-21
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.32	J	1.1	0.19	ug/L		10/01/20 13:54	10/02/20 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*35 - 133*	*10/01/20 13:54*	*10/02/20 18:07*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-BXS-04-0920
Date Collected: 09/26/20 09:34
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-22
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.31	J	1.1	0.19	ug/L		10/01/20 13:54	10/02/20 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*35 - 133*	*10/01/20 13:54*	*10/02/20 18:30*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-03-0920
Date Collected: 09/26/20 13:31
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-23
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	1500	*1	100	19	ug/L		10/02/20 10:33	10/06/20 12:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*35 - 133*	*10/02/20 10:33*	*10/06/20 12:57*	*100*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-16-0920
Date Collected: 09/25/20 12:30
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-24
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.19	ug/L		10/01/20 13:54	10/02/20 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*35 - 133*	*10/01/20 13:54*	*10/02/20 18:52*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-22-0920
Date Collected: 09/26/20 16:21
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-25
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	3.2	*1	0.98	0.18	ug/L		10/02/20 10:33	10/05/20 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 133*	*10/02/20 10:33*	*10/05/20 13:07*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-23-0920
Date Collected: 09/26/20 16:53
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-26
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	29	*1	5.1	0.92	ug/L		10/02/20 10:33	10/06/20 10:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*35 - 133*	*10/02/20 10:33*	*10/06/20 10:41*	*5*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-24-0920
Date Collected: 09/26/20 15:29
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-27
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	39	*1	11	1.9	ug/L		10/02/20 10:33	10/06/20 11:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 133*	*10/02/20 10:33*	*10/06/20 11:04*	*10*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-25-0920
Date Collected: 09/26/20 19:18
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-28
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	260	*1	21	3.8	ug/L		10/02/20 10:33	10/06/20 11:26	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 133*	*10/02/20 10:33*	*10/06/20 11:26*	*20*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-26-0920
Date Collected: 09/26/20 17:04
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-29
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.35	J *1	1.1	0.19	ug/L		10/02/20 10:33	10/05/20 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 133*	*10/02/20 10:33*	*10/05/20 14:37*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-27-0920
Date Collected: 09/26/20 15:01
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-30
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	*1	1.1	0.19	ug/L		10/02/20 10:33	10/05/20 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*35 - 133*	*10/02/20 10:33*	*10/05/20 15:00*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-28-0920
Date Collected: 09/26/20 07:05
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-31
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.95	J *1	1.0	0.19	ug/L		10/02/20 10:33	10/05/20 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*35 - 133*	*10/02/20 10:33*	*10/05/20 15:22*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-30-0920
Date Collected: 09/26/20 06:19
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-32
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.37	J *1	1.1	0.19	ug/L		10/02/20 10:33	10/05/20 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 133*	*10/02/20 10:33*	*10/05/20 15:45*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-32-0920
Date Collected: 09/26/20 18:08
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-33
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	610	*1	50	9.0	ug/L		10/02/20 10:33	10/06/20 13:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 133*	*10/02/20 10:33*	*10/06/20 13:19*	*50*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-33-0920
Date Collected: 09/26/20 13:09
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-34
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	7.6	*1	1.0	0.18	ug/L		10/02/20 10:33	10/05/20 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*35 - 133*	*10/02/20 10:33*	*10/05/20 16:30*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-35-0920
Date Collected: 09/26/20 12:28
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-35
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.39	J *1	1.1	0.19	ug/L		10/02/20 10:33	10/05/20 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*35 - 133*	*10/02/20 10:33*	*10/05/20 16:52*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-39-0920
Date Collected: 09/26/20 11:07
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-36
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	18	*1	5.3	0.95	ug/L		10/02/20 10:33	10/06/20 12:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 133*	*10/02/20 10:33*	*10/06/20 12:11*	*5*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-41-0920
Date Collected: 09/26/20 10:27
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-37
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	160	*1	21	3.7	ug/L		10/02/20 10:33	10/06/20 14:11	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*35 - 133*	*10/02/20 10:33*	*10/06/20 14:11*	*20*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-DUP-1-0920
Date Collected: 09/26/20 12:40
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-38
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.37	J *1	1.1	0.20	ug/L		10/02/20 10:33	10/05/20 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*35 - 133*	*10/02/20 10:33*	*10/05/20 18:00*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-339627/1-A
Matrix: Water
Analysis Batch: 339735

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.60	0.10	ug/L		09/30/20 12:18	10/01/20 13:00	1
2,4,5-Trichlorophenol	ND		0.40	0.10	ug/L		09/30/20 12:18	10/01/20 13:00	1
2,3,5,6-Tetrachlorophenol	ND		0.40	0.10	ug/L		09/30/20 12:18	10/01/20 13:00	1
2,3,4,6-Tetrachlorophenol	ND		0.70	0.10	ug/L		09/30/20 12:18	10/01/20 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*67*		*14 - 120*	*09/30/20 12:18*	*10/01/20 13:00*	*1*
Phenol-d5 (Surr)	*43*		*10 - 120*	*09/30/20 12:18*	*10/01/20 13:00*	*1*
2,4,6-Tribromophenol (Surr)	*110*		*50 - 125*	*09/30/20 12:18*	*10/01/20 13:00*	*1*

Lab Sample ID: LCS 580-339627/2-A
Matrix: Water
Analysis Batch: 339735

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339627

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,6-Trichlorophenol			2.00	1.80		ug/L		90	55 - 120		
2,4,5-Trichlorophenol			2.00	1.64		ug/L		82	53 - 120		
2,3,4,6-Tetrachlorophenol			2.00	1.88		ug/L		94	50 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*62*		*14 - 120*
Phenol-d5 (Surr)	*43*		*10 - 120*
2,4,6-Tribromophenol (Surr)	*108*		*50 - 125*

Lab Sample ID: LCSD 580-339627/3-A
Matrix: Water
Analysis Batch: 339735

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 339627

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			2.00	1.87		ug/L		93	55 - 120	3	30
2,4,5-Trichlorophenol			2.00	1.66		ug/L		83	53 - 120	1	35
2,3,4,6-Tetrachlorophenol			2.00	2.09		ug/L		104	50 - 121	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*65*		*14 - 120*
Phenol-d5 (Surr)	*45*		*10 - 120*
2,4,6-Tribromophenol (Surr)	*112*		*50 - 125*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-339616/1-A
Matrix: Water
Analysis Batch: 339739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.346	J	1.0	0.18	ug/L		09/30/20 11:30	10/01/20 14:00	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 580-339616/1-A
Matrix: Water
Analysis Batch: 339739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339616

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	120		35 - 133	09/30/20 11:30	10/01/20 14:00	1

Lab Sample ID: LCS 580-339616/2-A
Matrix: Water
Analysis Batch: 339739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339616

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	5.95		ug/L		74	10 - 138		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	117		35 - 133

Lab Sample ID: LCSD 580-339616/3-A
Matrix: Water
Analysis Batch: 339739

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 339616

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	6.08		ug/L		76	10 - 138	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	111		35 - 133

Lab Sample ID: MB 580-339774/1-A
Matrix: Water
Analysis Batch: 339842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		10/01/20 13:54	10/02/20 10:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		35 - 133	10/01/20 13:54	10/02/20 10:35	1

Lab Sample ID: LCS 580-339774/2-A
Matrix: Water
Analysis Batch: 339842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339774

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	5.35		ug/L		67	10 - 138		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	105		35 - 133

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 580-339774/3-A
Matrix: Water
Analysis Batch: 339842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 339774

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	5.71		ug/L		71	10 - 138	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*108*		*35 - 133*

Lab Sample ID: MB 580-339860/1-A
Matrix: Water
Analysis Batch: 340014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 339860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		10/02/20 10:33	10/05/20 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*35 - 133*	*10/02/20 10:33*	*10/05/20 11:37*	*1*

Lab Sample ID: LCS 580-339860/2-A
Matrix: Water
Analysis Batch: 340014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 339860

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	4.37		ug/L		55	10 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*89*		*35 - 133*

Lab Sample ID: LCSD 580-339860/3-A
Matrix: Water
Analysis Batch: 340014

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 339860

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	6.32	*1	ug/L		79	10 - 138	37	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*107*		*35 - 133*

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-EW-01-0920
Lab Sample ID: 580-97849-1
Date Collected: 09/24/20 17:00
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339616	09/30/20 11:30	S1S	TAL SEA
Total/NA	Analysis	8270E SIM		50	339739	10/01/20 15:07	W1T	TAL SEA

Client Sample ID: GW-EW-02-0920
Lab Sample ID: 580-97849-2
Date Collected: 09/24/20 17:05
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339616	09/30/20 11:30	S1S	TAL SEA
Total/NA	Analysis	8270E SIM		100	339739	10/01/20 15:30	W1T	TAL SEA

Client Sample ID: GW-EW-04-0920
Lab Sample ID: 580-97849-3
Date Collected: 09/24/20 17:10
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339616	09/30/20 11:30	S1S	TAL SEA
Total/NA	Analysis	8270E SIM		100	339739	10/01/20 15:52	W1T	TAL SEA

Client Sample ID: Phenols Composite
Lab Sample ID: 580-97849-4
Date Collected: 09/24/20 17:00
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339627	09/30/20 12:18	T1L	TAL SEA
Total/NA	Analysis	8270E		1	339735	10/01/20 14:10	JKM	TAL SEA

Client Sample ID: GW-HCMW-07-0920
Lab Sample ID: 580-97849-5
Date Collected: 09/25/20 13:31
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 12:05	W1T	TAL SEA

Client Sample ID: GW-MW-02-0920
Lab Sample ID: 580-97849-6
Date Collected: 09/25/20 07:32
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 12:28	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-15-0920
Date Collected: 09/25/20 14:11
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 12:50	W1T	TAL SEA

Client Sample ID: GW-MW-17-0920
Date Collected: 09/25/20 15:25
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 13:13	W1T	TAL SEA

Client Sample ID: GW-MW-18-0920
Date Collected: 09/25/20 09:47
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 13:36	W1T	TAL SEA

Client Sample ID: GW-MW-29-0920
Date Collected: 09/25/20 18:33
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 13:58	W1T	TAL SEA

Client Sample ID: GW-MW-31-0920
Date Collected: 09/25/20 19:39
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 14:21	W1T	TAL SEA

Client Sample ID: GW-MW-34-0920
Date Collected: 09/25/20 17:52
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 14:43	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-36-0920
Lab Sample ID: 580-97849-13
Date Collected: 09/25/20 18:59
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		5	340014	10/05/20 10:30	W1T	TAL SEA

Client Sample ID: GW-MW-38-0920
Lab Sample ID: 580-97849-14
Date Collected: 09/25/20 17:29
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 15:29	W1T	TAL SEA

Client Sample ID: GW-MW-40-0920
Lab Sample ID: 580-97849-15
Date Collected: 09/25/20 14:42
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		10	340014	10/05/20 10:52	W1T	TAL SEA

Client Sample ID: GW-MW-42-0920
Lab Sample ID: 580-97849-16
Date Collected: 09/25/20 10:23
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 16:14	W1T	TAL SEA

Client Sample ID: GW-MW-43-0920
Lab Sample ID: 580-97849-17
Date Collected: 09/25/20 08:42
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 16:37	W1T	TAL SEA

Client Sample ID: Equipment-Blank-0920
Lab Sample ID: 580-97849-18
Date Collected: 09/25/20 20:30
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 16:59	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-BXS-01-0920
Lab Sample ID: 580-97849-19
Date Collected: 09/26/20 07:28
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		5	340014	10/05/20 11:15	W1T	TAL SEA

Client Sample ID: GW-BXS-02-0920
Lab Sample ID: 580-97849-20
Date Collected: 09/26/20 08:31
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 17:44	W1T	TAL SEA

Client Sample ID: GW-BXS-03-0920
Lab Sample ID: 580-97849-21
Date Collected: 09/26/20 08:53
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 18:07	W1T	TAL SEA

Client Sample ID: GW-BXS-04-0920
Lab Sample ID: 580-97849-22
Date Collected: 09/26/20 09:34
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 18:30	W1T	TAL SEA

Client Sample ID: GW-MW-03-0920
Lab Sample ID: 580-97849-23
Date Collected: 09/26/20 13:31
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	DL		339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM	DL	100	340102	10/06/20 12:57	W1T	TAL SEA

Client Sample ID: GW-MW-16-0920
Lab Sample ID: 580-97849-24
Date Collected: 09/25/20 12:30
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339774	10/01/20 13:54	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	339842	10/02/20 18:52	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-22-0920
Date Collected: 09/26/20 16:21
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 13:07	W1T	TAL SEA

Client Sample ID: GW-MW-23-0920
Date Collected: 09/26/20 16:53
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	DL		339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM	DL	5	340102	10/06/20 10:41	W1T	TAL SEA

Client Sample ID: GW-MW-24-0920
Date Collected: 09/26/20 15:29
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	DL		339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM	DL	10	340102	10/06/20 11:04	W1T	TAL SEA

Client Sample ID: GW-MW-25-0920
Date Collected: 09/26/20 19:18
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	DL		339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM	DL	20	340102	10/06/20 11:26	W1T	TAL SEA

Client Sample ID: GW-MW-26-0920
Date Collected: 09/26/20 17:04
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 14:37	W1T	TAL SEA

Client Sample ID: GW-MW-27-0920
Date Collected: 09/26/20 15:01
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 15:00	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-28-0920
Date Collected: 09/26/20 07:05
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 15:22	W1T	TAL SEA

Client Sample ID: GW-MW-30-0920
Date Collected: 09/26/20 06:19
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 15:45	W1T	TAL SEA

Client Sample ID: GW-MW-32-0920
Date Collected: 09/26/20 18:08
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	DL		339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM	DL	50	340102	10/06/20 13:19	W1T	TAL SEA

Client Sample ID: GW-MW-33-0920
Date Collected: 09/26/20 13:09
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 16:30	W1T	TAL SEA

Client Sample ID: GW-MW-35-0920
Date Collected: 09/26/20 12:28
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 16:52	W1T	TAL SEA

Client Sample ID: GW-MW-39-0920
Date Collected: 09/26/20 11:07
Date Received: 09/29/20 10:00

Lab Sample ID: 580-97849-36
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	DL		339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM	DL	5	340102	10/06/20 12:11	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Client Sample ID: GW-MW-41-0920

Lab Sample ID: 580-97849-37

Date Collected: 09/26/20 10:27
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	DL		339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM	DL	20	340102	10/06/20 14:11	W1T	TAL SEA

Client Sample ID: GW-DUP-1-0920

Lab Sample ID: 580-97849-38

Date Collected: 09/26/20 12:40
Matrix: Water
Date Received: 09/29/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			339860	10/02/20 10:33	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	340014	10/05/20 18:00	W1T	TAL SEA

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: J. H. Baxter & Co.
Job ID: 580-97849-1
Project/Site: Baxter Arlington - Groundwater

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	01-14-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2901	11-05-20
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-06-20
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Sample Summary

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington - Groundwater

Job ID: 580-97849-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-97849-1	GW-EW-01-0920	Water	09/24/20 17:00	09/29/20 10:00	
580-97849-2	GW-EW-02-0920	Water	09/24/20 17:05	09/29/20 10:00	
580-97849-3	GW-EW-04-0920	Water	09/24/20 17:10	09/29/20 10:00	
580-97849-4	Phenols Composite	Water	09/24/20 17:00	09/29/20 10:00	
580-97849-5	GW-HCMW-07-0920	Water	09/25/20 13:31	09/29/20 10:00	
580-97849-6	GW-MW-02-0920	Water	09/25/20 07:32	09/29/20 10:00	
580-97849-7	GW-MW-15-0920	Water	09/25/20 14:11	09/29/20 10:00	
580-97849-8	GW-MW-17-0920	Water	09/25/20 15:25	09/29/20 10:00	
580-97849-9	GW-MW-18-0920	Water	09/25/20 09:47	09/29/20 10:00	
580-97849-10	GW-MW-29-0920	Water	09/25/20 18:33	09/29/20 10:00	
580-97849-11	GW-MW-31-0920	Water	09/25/20 19:39	09/29/20 10:00	
580-97849-12	GW-MW-34-0920	Water	09/25/20 17:52	09/29/20 10:00	
580-97849-13	GW-MW-36-0920	Water	09/25/20 18:59	09/29/20 10:00	
580-97849-14	GW-MW-38-0920	Water	09/25/20 17:29	09/29/20 10:00	
580-97849-15	GW-MW-40-0920	Water	09/25/20 14:42	09/29/20 10:00	
580-97849-16	GW-MW-42-0920	Water	09/25/20 10:23	09/29/20 10:00	
580-97849-17	GW-MW-43-0920	Water	09/25/20 08:42	09/29/20 10:00	
580-97849-18	Equipment-Blank-0920	Water	09/25/20 20:30	09/29/20 10:00	
580-97849-19	GW-BXS-01-0920	Water	09/26/20 07:28	09/29/20 10:00	
580-97849-20	GW-BXS-02-0920	Water	09/26/20 08:31	09/29/20 10:00	
580-97849-21	GW-BXS-03-0920	Water	09/26/20 08:53	09/29/20 10:00	
580-97849-22	GW-BXS-04-0920	Water	09/26/20 09:34	09/29/20 10:00	
580-97849-23	GW-MW-03-0920	Water	09/26/20 13:31	09/29/20 10:00	
580-97849-24	GW-MW-16-0920	Water	09/25/20 12:30	09/29/20 10:00	
580-97849-25	GW-MW-22-0920	Water	09/26/20 16:21	09/29/20 10:00	
580-97849-26	GW-MW-23-0920	Water	09/26/20 16:53	09/29/20 10:00	
580-97849-27	GW-MW-24-0920	Water	09/26/20 15:29	09/29/20 10:00	
580-97849-28	GW-MW-25-0920	Water	09/26/20 19:18	09/29/20 10:00	
580-97849-29	GW-MW-26-0920	Water	09/26/20 17:04	09/29/20 10:00	
580-97849-30	GW-MW-27-0920	Water	09/26/20 15:01	09/29/20 10:00	
580-97849-31	GW-MW-28-0920	Water	09/26/20 07:05	09/29/20 10:00	
580-97849-32	GW-MW-30-0920	Water	09/26/20 06:19	09/29/20 10:00	
580-97849-33	GW-MW-32-0920	Water	09/26/20 18:08	09/29/20 10:00	
580-97849-34	GW-MW-33-0920	Water	09/26/20 13:09	09/29/20 10:00	
580-97849-35	GW-MW-35-0920	Water	09/26/20 12:28	09/29/20 10:00	
580-97849-36	GW-MW-39-0920	Water	09/26/20 11:07	09/29/20 10:00	
580-97849-37	GW-MW-41-0920	Water	09/26/20 10:27	09/29/20 10:00	
580-97849-38	GW-DUP-1-0920	Water	09/26/20 12:40	09/29/20 10:00	

5 COOLERS

Eurofins TestAmerica, Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins Environment Testing America

97849

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☒ RCRA ☐ Other:

Client Contact	Project Manager: Josh Bale	Site Contact: Joe Sherrod	Date: 9/27/2020	COC No:
GSI Water Solutions	Email: jbale@gsiws.com	Lab Contact: Sheri Cruz	Carrier: FEDEX	1 of 4 COCs
55 SW Yamhill St STE 300	Tel/Fax: 503-276-4188			TALS Project #:
Portland, Oregon 97204	Standard TAT			Sampler:
253-486-9014 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
	Standard TAT			Walk-in Client:
Project Name: Baxter Arlington	☐ 2 weeks			Lab Sampling:
Site: Arlington, WA	☐ 1 week			
P O # 0302	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Pentachlorophenol - 8270D_SIM	Phenols (MOD) 8270D	Sample Specific Notes:
-1 GW-EW-01-0920	9/24/2020	1700	C	W	2	N	N	X	X	} COMPOSITE + ANALYZE AS SINGLE SAMPLE
GW-EW-02-0920	9/24/2020	1705	C	W	2	N	N	X	X	
-3 GW-EW-04-0920 Comp-4	9/24/2020	1710	C	W	2	N	N	X	X	
-5 GW-HCMW-07-0920	9/25/2020	1331	G	W	2	N	N	X		
-6 GW-MW-02-0920	9/25/2020	0732	G	W	2	N	N	X		
-7 GW-MW-15-0920	9/25/2020	1411	G	W	2	N	N	X		
GW-MW-17-0920	9/25/2020	1525	G	W	2	N	N	X		
-9 GW-MW-18-0920	9/25/2020	0947	G	W	2	N	N	X		
GW-MW-29-0920	9/25/2020	1833	G	W	2	N	N	X		
-11 GW-MW-31-0920	9/25/2020	1939	G	W	2	N	N	X		
GW-MW-34-0920	9/25/2020	1752	G	W	2	N	N	X		
-13 GW-MW-36-0920	9/25/2020	1859	G	W	2	N	N	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

580-97849 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments: Composite GW-EW-01,02 and 04 together before analysis.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: Corr'd: Therm ID No.:

Relinquished by: JOSH BALE	Company: GSI WS.	Date/Time: 9/28/20 1430	Received by: Tom Blanchard	Company: TA-Sea	Date/Time: 9/29/20 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.34, dated 8/3/2020

5 COOLERS

Eurofins TestAmerica, Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins Environment Testing America

97849

Regulatory Program: ☐ DW ☐ NPDES ☒ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Josh Bale	Site Contact: Joe Sherrod	Date: 9/27/2020	COC No:
GSI Water Solutions	Email: jbale@gsiws.com	Lab Contact: Sheri Cruz	Carrier: FEDEX	2 of 4 COCs
55 SW Yamhill St STE 300	Tel/Fax: 503-276-4188			TALS Project #:
Portland, Oregon 97204	Standard TAT			Sampler: Joe Sherrod
253-486-9014 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
	Standard TAT			Walk-in Client:
Project Name: Baxter Arlington	☐ 2 weeks			Lab Sampling:
Site: Arlington, WA	☐ 1 week			
P O # 0302	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Pentachlorophenol - 8270D_SIM	Sample Specific Notes:
-15 GW-MW-38-0920	9/25/2020	1729	G	W	2	N	N	X	
-15 GW-MW-40-0920	9/25/2020	1442	G	W	2	N	N	X	
-15 GW-MW-42-0920	9/25/2020	1023	G	W	2	N	N	X	
-17 GW_MW-43-0920	9/25/2020	0842	G	W	2	N	N	X	
-17 Equipment-Blank-9020	9/25/2020	2030	G	W	4	N	N	X	
-19 GW-BXS-01-0920	9/26/2020	0728	G	W	2	N	N	X	
-19 GW-BXS-02-0920	9/26/2020	0831	G	W	2	N	N	X	
-21 GW-BSX-03-0920	9/26/2020	0853	G	W	2	N	N	X	
-21 GW-BSX-04-0920	9/26/2020	0934	G	W	2	N	N	X	
-23 GW-MW-03-0920	9/26/2020	1331	G	W	2	N	N	X	
-23 GW-MW-16-0920	9/26/2020	1230	G	W	2	N	N	X	
-25 GW-MW-22-0920	9/26/2020	1621	G	W	2	N	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: Corr'd: Therm ID No.:

Relinquished by: JOSH BALE	Company: GSI WS	Date/Time: 9/28/20 1630	Received by: Tom Blanchard	Company:	Date/Time: 9/29/20 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.34, dated 8/3/2020

5 COOLERS

Eurofins TestAmerica, Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins Environment Testing America

97849

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☒ RCRA ☐ Other:

Client Contact	Project Manager: Josh Bale	Site Contact: Joe Sherrod	Date: 9/27/2020	COC No:
GSI Water Solutions	Email: jbale@gsiws.com	Lab Contact: Sheri Cruz	Carrier: FEDEX	3 of 4 COCs
55 SW Yamhill St STE 300	Tel/Fax: 503-276-4188			TALS Project #:
Portland, Oregon 97204	Standard TAT			Sampler: Joe Sherrod
253-486-9014 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
	Standard TAT			Walk-in Client:
Project Name: Baxter Arlington	☐ 2 weeks			Lab Sampling:
Site: Arlington, WA	☐ 1 week			
P O # 0302	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Pentachlorophenol - 8270D_SIM	Sample Specific Notes:
-25 GW-MW-23-0920	9/26/2020	1653	G	W	2	N	N	X	
-27 GW-MW-24-0920	9/26/2020	1529	G	W	2	N	N	X	
-27 GW-MW-25-0920	9/26/2020	1918	G	W	2	N	N	X	
-29 GW-MW-26-0920	9/26/2020	1704	G	W	2	N	N	X	
-29 GW-MW-27-0920	9/26/2020	1501	G	W	2	N	N	X	
-31 GW-MW-28-0920	9/26/2020	0705	G	W	2	N	N	X	
-31 GW-MW-30-0920	9/26/2020	0619	G	W	2	N	N	X	
-33 GW-MW-32-0920	9/26/2020	1808	G	W	2	N	N	X	
-33 GW-MW-33-0920	9/26/2020	1309	G	W	2	N	N	X	
-35 GW-MW-35-0920	9/26/2020	1228	G	W	2	N	N	X	
-35 GW-MW-39-0920	9/26/2020	1107	G	W	2	N	N	X	
-37 GW-MW-41-0920	9/26/2020	1027	G	W	2	N	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: Corr'd: Therm ID No.:		
Relinquished by: JOSH BALE	Company: GSI WS	Date/Time: 9/28/20 1633	Received by: Tom Blankenship	Company:	Date/Time: 9/29/20 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.34, dated 8/3/2020

5 COOLERS

Eurofins TestAmerica, Seattle
5755 8th Street East

Tacoma, WA 98424-1317
phone 253.922.2310 fax 253.922.5047

Chain of Custody Record

eurofins Environment Testing America

97849

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☒ RCRA ☐ Other:

Client Contact	Project Manager: Josh Bale	Site Contact: Joe Sherrod	Date: 9/27/2020	COC No:
GSI Water Solutions	Email: jbale@gsiws.com	Lab Contact: Sheri Cruz	Carrier: FEDEX	4 of 4 COCs
55 SW Yamhill St STE 300	Tel/Fax: 503-276-4188			TALS Project #:
Portland, Oregon 97204	Standard TAT			Sampler: Joe Sherrod
253-486-9014 Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
	Standard TAT			Walk-in Client:
Project Name: Baxter Arlington	☐ 2 weeks			Lab Sampling:
Site: Arlington, WA	☐ 1 week			
P O # 0302	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Pentachlorophenol - 8270D_SIM	Sample Specific Notes:
-37 -38 GW-DUP-1-0920	9/26/2020	1240	G	W	2	N	N	X	

Therm. ID: IR8 Cor: 3.3 ° Unc: 3.5 °
Cooler Dsc: Lg Blue
Packing: Bub
Cust. Seal: Yes ☒ No ☐
Blue Ice, (Wet) Dry, None
FedEx: PO
UPS:
Lab Cour:
Other:

Therm. ID: IR8 Cor: 2.7 ° Unc: 3.2 °
Cooler Dsc: Lg Blue
Packing: Bub
Cust. Seal: Yes ☒ No ☐
Blue Ice, (Wet) Dry, None
FedEx:
UPS:
Lab Cour:
Other:

Therm. ID: IR8 Cor: 0.3 ° Unc: 0.8 °
Cooler Dsc: Lg Blue
Packing: Bub
Cust. Seal: Yes ☒ No ☐
Blue Ice, (Wet) Dry, None
FedEx:
UPS:
Lab Cour:
Other:

Therm. ID: A2 Cor: 1.5 ° Unc: 1.6 °
Cooler Dsc: Lg Blue
Packing: Bub
Cust. Seal: Yes ☒ No ☐
Blue Ice, (Wet) Dry, None
FedEx:
UPS:
Lab Cour:
Other:

Therm. ID: A2 Cor: 0.6 ° Unc: 0.7 °
Cooler Dsc: Lg Red
Packing: Bub
Cust. Seal: Yes ☒ No ☐
Blue Ice, (Wet) Dry, None
FedEx:
UPS:
Lab Cour:
Other:

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples
☐ Return to Client ☑ Disposal by Lab ☐

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by: JOSH BALE	Company: GSI WS	Date/Time: 9/28/20 1630	Received by:	Company:	Date/Time: 9/29/20 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.34, dated 8/3/2020

Login Sample Receipt Checklist

Client: J. H. Baxter & Co.

Job Number: 580-97849-1

Login Number: 97849
List Number: 1
Creator: Blankinship, Tom X

List Source: Eurofins TestAmerica, Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-99738-1
Client Project/Site: Baxter Arlington

For:
J. H. Baxter & Co.
1700 S. El Camino Real
Suite 365
San Mateo, California 94402

Attn: Georgia Baxter

Authorized for release by:
12/30/2020 1:19:44 PM

Sheri Cruz, Project Manager I
(253)922-2310
Sheri.Cruz@Eurofinset.com

Table of Contents

Job ID: 580-99738-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative
580-99738-1

Comments
No additional comments.

Receipt
The samples were received on 12/12/2020 8:33 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were -0.9º C, 0.5º C, 0.9º C and 1.1º C.

GC/MS Semi VOA
Methods 8270E: The following continuing calibration verification (CCV) standard associated with batch 580-345783 recovered outside acceptance criteria for %D for surrogate 2,4,6-Tribromophenol. The associated samples recovered within control limits, with or without accounting for the bias; therefore, data have been reported. (CCVIS 580-345783/3)

Method 8270E: Due to the inability to resolve isomers 2,3,5,6-Tetrachlorophenol and 2,3,4,6-Tetrachlorophenol the results are reported as the sum of the two analytes.

Method 8270E SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-345909 and analytical batch 580-346062 recovered outside control limits for the following analytes: Pentachlorophenol.

Methods 8270D SIM, 8270E SIM: The GW-BXS-04-1220 (580-99738-21), GW-MW-35-1220 (580-99738-22), GW-MW-27-1220 (580-99738-23), GW-MW-26-1220 (580-99738-24), GW-MW-33-1220 (580-99738-27), GW-MW-30-1220 (580-99738-28), GW-MW-18-1220 (580-99738-29), GW-MW-42-1220 (580-99738-30), GW-MW-02-1220 (580-99738-31), GW-MW-28-1220 (580-99738-32), GW-MW-23-1220 (580-99738-33), GW-MW-22-1220 (580-99738-34), GW-DUP-1-1220 (580-99738-37), (LCS 580-345909/2-A), (LCS 580-345949/2-A), (LCSD 580-345909/3-A), (LCSD 580-345949/3-A), (MB 580-345909/1-A),Z) recovered low for internal standard, Perylene-d12. The internal standard is not associated with the request analyte, therefore data have been reported.

Method 8270E SIM: The GW-MW-36-1220 (580-99738-11) and (LCS 580-345733/2-A) recovered low for internal standard, Perylene-d12. This internal standard is not associated with the requested analytes; therefore, data have been reported.

Method 8270E SIM: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-1, EW-2, EW-4 Composite (580-99738-5), GW-MW-40-1220 (580-99738-8), GW-MW-36-1220 (580-99738-11), GW-MW-34-1220 (580-99738-13), GW-MW-41-1220 (580-99738-15), GW-MW-39-1220 (580-99738-16), GW-BXS-01-1220 (580-99738-19) and GW-MW-24-1220 (580-99738-25). Elevated reporting limits (RLs) are provided.

Method 8270E SIM: The following samples were diluted due to the nature of the sample matrix: GW-MW-35-1220 (580-99738-22), GW-MW-03-1220 (580-99738-26), GW-MW-25-1220 (580-99738-35) and GW-MW-32-1220 (580-99738-36). Elevated reporting limits (RLs) are provided.

Method 8270E SIM: Surrogate recovery for the following samples were outside control limits: GW-MW-35-1220 (580-99738-22), GW-MW-03-1220 (580-99738-26) and GW-DUP-1-1220 (580-99738-37). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3510C: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: Sample is a composite of samples 99738-2,3,4.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-43-1220

Date Collected: 12/09/20 14:51
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-1

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/16/20 11:31	12/17/20 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*35 - 133*	*12/16/20 11:31*	*12/17/20 13:08*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: EW-1, EW-2, EW-4 Composite

Lab Sample ID: 580-99738-5

Date Collected: 12/09/20 15:10

Matrix: Water

Date Received: 12/12/20 08:33

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	**210**		67	12	ug/L		12/16/20 11:53	12/29/20 15:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 133*	*12/16/20 11:53*	*12/29/20 15:44*	*50*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.80	0.13	ug/L		12/16/20 11:53	12/17/20 11:41	1
2,4,5-Trichlorophenol	ND		0.53	0.13	ug/L		12/16/20 11:53	12/17/20 11:41	1
2,3,5,6-Tetrachlorophenol	**NC**		0.53	0.13	ug/L		12/16/20 11:53	12/17/20 11:41	1
2,3,4,6-Tetrachlorophenol	**19**		0.93	0.13	ug/L		12/16/20 11:53	12/17/20 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*66*		*14 - 120*	*12/16/20 11:53*	*12/17/20 11:41*	*1*
Phenol-d5 (Surr)	*41*		*10 - 120*	*12/16/20 11:53*	*12/17/20 11:41*	*1*
2,4,6-Tribromophenol (Surr)	*123*		*50 - 125*	*12/16/20 11:53*	*12/17/20 11:41*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-HCMW-07-1220
Date Collected: 12/10/20 06:02
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-6
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/17/20 12:46	12/18/20 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 133*	*12/17/20 12:46*	*12/18/20 13:23*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-15-1220

Date Collected: 12/10/20 06:45
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-7

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/17/20 12:46	12/18/20 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 133*	*12/17/20 12:46*	*12/18/20 13:46*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-40-1220

Date Collected: 12/10/20 07:11
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-8

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	140		10	1.8	ug/L		12/17/20 12:46	12/29/20 13:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*35 - 133*	*12/17/20 12:46*	*12/18/20 14:09*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-17-1220

Date Collected: 12/10/20 08:01
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-9

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/17/20 12:46	12/18/20 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 133*	*12/17/20 12:46*	*12/18/20 14:31*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-31-1220
Date Collected: 12/10/20 08:34
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-10
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/17/20 12:46	12/18/20 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*35 - 133*	*12/17/20 12:46*	*12/18/20 14:54*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-36-1220

Date Collected: 12/10/20 09:11
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-11

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	55		10	1.8	ug/L		12/17/20 12:46	12/29/20 15:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 133*	*12/17/20 12:46*	*12/18/20 15:17*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-29-1220
Date Collected: 12/10/20 10:07
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-12
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.19	J	1.0	0.18	ug/L		12/17/20 12:46	12/18/20 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 133*	*12/17/20 12:46*	*12/18/20 15:39*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-34-1220

Date Collected: 12/10/20 10:27
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-13

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	99		10	1.8	ug/L		12/17/20 12:46	12/29/20 15:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 133*	*12/17/20 12:46*	*12/18/20 16:02*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-38-1220
Date Collected: 12/10/20 10:45
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-14
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.1	0.19	ug/L		12/17/20 12:46	12/18/20 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 133*	*12/17/20 12:46*	*12/18/20 16:25*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-41-1220
Date Collected: 12/10/20 15:56
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-15
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	230		51	9.2	ug/L		12/17/20 12:46	12/29/20 14:38	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 133*	*12/17/20 12:46*	*12/18/20 16:47*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-39-1220
Date Collected: 12/10/20 16:58
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-16
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	64		10	1.8	ug/L		12/17/20 12:46	12/29/20 14:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 133*	*12/17/20 12:46*	*12/18/20 17:10*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-BXS-03-1220
Date Collected: 12/10/20 13:25
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-17
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.28	J	1.0	0.19	ug/L		12/17/20 12:46	12/18/20 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 133*	*12/17/20 12:46*	*12/18/20 17:32*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-BXS-02-1220
Date Collected: 12/10/20 13:53
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-18
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/17/20 12:46	12/18/20 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 133*	*12/17/20 12:46*	*12/18/20 17:55*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-BXS-01-1220
Date Collected: 12/10/20 14:23
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-19
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	58		10	1.8	ug/L		12/17/20 12:46	12/29/20 13:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*35 - 133*	*12/17/20 12:46*	*12/18/20 18:18*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-Equipment-Blank-1220
Date Collected: 12/10/20 17:45
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-20
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.20	J	1.0	0.19	ug/L		12/17/20 12:46	12/18/20 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 133*	*12/17/20 12:46*	*12/18/20 18:40*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-BXS-04-1220
Date Collected: 12/11/20 05:49
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-21
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*35 - 133*	*12/18/20 16:16*	*12/19/20 13:13*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-35-1220

Date Collected: 12/11/20 06:36
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-22

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		5.1	0.92	ug/L		12/18/20 16:16	12/19/20 13:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1-*	*35 - 133*	*12/18/20 16:16*	*12/19/20 13:35*	*5*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-27-1220

Date Collected: 12/11/20 07:37
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-23

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*35 - 133*	*12/18/20 16:16*	*12/19/20 13:58*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-26-1220
Date Collected: 12/11/20 08:36
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-24
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*52*		*35 - 133*	*12/18/20 16:16*	*12/19/20 14:20*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-24-1220
Date Collected: 12/11/20 09:21
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-25
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	73		20	3.7	ug/L		12/18/20 16:16	12/29/20 17:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 133*	*12/18/20 16:16*	*12/19/20 14:43*	*1*
2,4,6-Tribromophenol	*52*		*35 - 133*	*12/18/20 16:16*	*12/29/20 17:19*	*20*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-03-1220

Date Collected: 12/11/20 09:52
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-26

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	1100		100	18	ug/L		12/18/20 16:16	12/21/20 15:31	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 133*	*12/18/20 16:16*	*12/19/20 15:05*	*1*
2,4,6-Tribromophenol	*1211*	*S1+*	*35 - 133*	*12/18/20 16:16*	*12/21/20 15:31*	*100*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-33-1220
Date Collected: 12/11/20 10:16
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-27
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	11		1.0	0.19	ug/L		12/18/20 16:16	12/19/20 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 133*	*12/18/20 16:16*	*12/19/20 15:28*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-30-1220

Date Collected: 12/11/20 10:54
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-28

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 133*	*12/18/20 16:16*	*12/19/20 15:50*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-18-1220

Date Collected: 12/11/20 12:45
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-29

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 133*	*12/18/20 16:16*	*12/19/20 16:13*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-42-1220
Date Collected: 12/11/20 13:03
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-30
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.66	J	1.0	0.18	ug/L		12/18/20 16:16	12/19/20 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 133*	*12/18/20 16:16*	*12/19/20 16:35*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-02-1220
Date Collected: 12/11/20 13:42
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-31
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*35 - 133*	*12/18/20 16:16*	*12/19/20 16:58*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-28-1220

Date Collected: 12/11/20 14:11
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-32

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 133*	*12/18/20 16:16*	*12/19/20 17:20*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-23-1220

Date Collected: 12/11/20 15:01
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-33

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.19	ug/L		12/18/20 16:16	12/19/20 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*35 - 133*	*12/18/20 16:16*	*12/19/20 17:42*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-22-1220
Date Collected: 12/11/20 15:48
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-34
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	2.9		1.0	0.18	ug/L		12/18/20 16:16	12/19/20 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 133*	*12/18/20 16:16*	*12/19/20 18:05*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-25-1220
Date Collected: 12/11/20 16:39
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-35
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	1600		100	18	ug/L		12/18/20 16:16	12/21/20 15:54	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 133*	*12/18/20 16:16*	*12/19/20 18:27*	*1*
2,4,6-Tribromophenol	*90*		*35 - 133*	*12/18/20 16:16*	*12/21/20 15:54*	*100*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-32-1220
Date Collected: 12/11/20 17:07
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-36
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	140	*1	100	18	ug/L		12/18/20 12:14	12/21/20 17:25	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*35 - 133*	*12/18/20 12:14*	*12/19/20 21:03*	*1*

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-DUP-1-1220
Date Collected: 12/11/20 00:01
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-37
Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	1.0		1.0	0.18	ug/L		12/18/20 12:14	12/19/20 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*S1-*	*35 - 133*	*12/18/20 12:14*	*12/19/20 21:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-345733/1-A
Matrix: Water
Analysis Batch: 345783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.60	0.10	ug/L		12/16/20 11:53	12/17/20 08:13	1
2,4,5-Trichlorophenol	ND		0.40	0.10	ug/L		12/16/20 11:53	12/17/20 08:13	1
2,3,5,6-Tetrachlorophenol	ND		0.40	0.10	ug/L		12/16/20 11:53	12/17/20 08:13	1
2,3,4,6-Tetrachlorophenol	ND		0.70	0.10	ug/L		12/16/20 11:53	12/17/20 08:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*71*		*14 - 120*	*12/16/20 11:53*	*12/17/20 08:13*	*1*
Phenol-d5 (Surr)	*44*		*10 - 120*	*12/16/20 11:53*	*12/17/20 08:13*	*1*
2,4,6-Tribromophenol (Surr)	*101*		*50 - 125*	*12/16/20 11:53*	*12/17/20 08:13*	*1*

Lab Sample ID: LCS 580-345733/2-A
Matrix: Water
Analysis Batch: 345783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	2.00	1.77		ug/L		88	55 - 120
2,4,5-Trichlorophenol	2.00	1.58		ug/L		79	53 - 120
2,3,4,6-Tetrachlorophenol	2.00	1.68		ug/L		84	50 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*62*		*14 - 120*
Phenol-d5 (Surr)	*40*		*10 - 120*
2,4,6-Tribromophenol (Surr)	*108*		*50 - 125*

Lab Sample ID: LCSD 580-345733/3-A
Matrix: Water
Analysis Batch: 345783

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	2.00	1.34		ug/L		67	55 - 120	27	30
2,4,5-Trichlorophenol	2.00	1.33		ug/L		67	53 - 120	17	35
2,3,4,6-Tetrachlorophenol	2.00	1.47		ug/L		73	50 - 121	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*53*		*14 - 120*
Phenol-d5 (Surr)	*34*		*10 - 120*
2,4,6-Tribromophenol (Surr)	*97*		*50 - 125*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-345729/1-A
Matrix: Water
Analysis Batch: 345775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/16/20 11:31	12/17/20 10:30	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 580-345729/1-A
Matrix: Water
Analysis Batch: 345775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345729

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		35 - 133	12/16/20 11:31	12/17/20 10:30	1

Lab Sample ID: LCS 580-345729/2-A
Matrix: Water
Analysis Batch: 345775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345729

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	8.41		ug/L		105	10 - 138		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	85		35 - 133

Lab Sample ID: LCSD 580-345729/3-A
Matrix: Water
Analysis Batch: 345775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345729

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	8.11		ug/L		101	10 - 138	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	79		35 - 133

Lab Sample ID: MB 580-345733/1-A
Matrix: Water
Analysis Batch: 346677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/16/20 11:53	12/29/20 16:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		35 - 133	12/16/20 11:53	12/29/20 16:07	1

Lab Sample ID: MB 580-345827/1-A
Matrix: Water
Analysis Batch: 345872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/17/20 12:46	12/18/20 12:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		35 - 133	12/17/20 12:46	12/18/20 12:11	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 580-345827/2-A
Matrix: Water
Analysis Batch: 345872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	9.26		ug/L		116	10 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*93*		*35 - 133*

Lab Sample ID: LCSD 580-345827/3-A
Matrix: Water
Analysis Batch: 345872

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345827

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	8.06		ug/L		101	10 - 138	14	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*35 - 133*

Lab Sample ID: MB 580-345909/1-A
Matrix: Water
Analysis Batch: 345991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 12:14	12/19/20 19:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 133*	*12/18/20 12:14*	*12/19/20 19:56*	*1*

Lab Sample ID: MB 580-345909/1-A
Matrix: Water
Analysis Batch: 346062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 12:14	12/21/20 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*35 - 133*	*12/18/20 12:14*	*12/21/20 12:09*	*1*

Lab Sample ID: LCS 580-345909/2-A
Matrix: Water
Analysis Batch: 345991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345909

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	6.09		ug/L		76	10 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*60*		*35 - 133*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 580-345909/2-A
Matrix: Water
Analysis Batch: 346062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345909

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	8.04		ug/L		100	10 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*87*		*35 - 133*

Lab Sample ID: LCSD 580-345909/3-A
Matrix: Water
Analysis Batch: 345991

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345909

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	6.14		ug/L		77	10 - 138	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*41*		*35 - 133*

Lab Sample ID: LCSD 580-345909/3-A
Matrix: Water
Analysis Batch: 346062

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345909

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	5.54	*1	ug/L		69	10 - 138	37	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*76*		*35 - 133*

Lab Sample ID: MB 580-345949/1-A
Matrix: Water
Analysis Batch: 346062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.18	ug/L		12/18/20 16:16	12/21/20 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*35 - 133*	*12/18/20 16:16*	*12/21/20 11:47*	*1*

Lab Sample ID: LCS 580-345949/2-A
Matrix: Water
Analysis Batch: 345991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345949

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			8.00	2.51		ug/L		31	10 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*64*		*35 - 133*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 580-345949/3-A
Matrix: Water
Analysis Batch: 345991

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345949

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol			8.00	3.57		ug/L		45	10 - 138	35	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*49*		*35 - 133*

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-43-1220
Lab Sample ID: 580-99738-1
Date Collected: 12/09/20 14:51
Matrix: Water
Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345729	12/16/20 11:31	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		1	345775	12/17/20 13:08	JKM	TAL SEA

Client Sample ID: EW-1, EW-2, EW-4 Composite
Lab Sample ID: 580-99738-5
Date Collected: 12/09/20 15:10
Matrix: Water
Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345733	12/16/20 11:53	JBT	TAL SEA
Total/NA	Analysis	8270E		1	345783	12/17/20 11:41	W1T	TAL SEA
Total/NA	Prep	3510C			345733	12/16/20 11:53	JBT	TAL SEA
Total/NA	Analysis	8270E SIM		50	346677	12/29/20 15:44	JKM	TAL SEA

Client Sample ID: GW-HCMW-07-1220
Lab Sample ID: 580-99738-6
Date Collected: 12/10/20 06:02
Matrix: Water
Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 13:23	JKM	TAL SEA

Client Sample ID: GW-MW-15-1220
Lab Sample ID: 580-99738-7
Date Collected: 12/10/20 06:45
Matrix: Water
Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 13:46	JKM	TAL SEA

Client Sample ID: GW-MW-40-1220
Lab Sample ID: 580-99738-8
Date Collected: 12/10/20 07:11
Matrix: Water
Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 14:09	JKM	TAL SEA
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		10	346677	12/29/20 13:31	JKM	TAL SEA

Client Sample ID: GW-MW-17-1220
Lab Sample ID: 580-99738-9
Date Collected: 12/10/20 08:01
Matrix: Water
Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 14:31	JKM	TAL SEA

Client Sample ID: GW-MW-31-1220

Lab Sample ID: 580-99738-10

Date Collected: 12/10/20 08:34

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 14:54	JKM	TAL SEA

Client Sample ID: GW-MW-36-1220

Lab Sample ID: 580-99738-11

Date Collected: 12/10/20 09:11

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 15:17	JKM	TAL SEA
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		10	346677	12/29/20 15:22	JKM	TAL SEA

Client Sample ID: GW-MW-29-1220

Lab Sample ID: 580-99738-12

Date Collected: 12/10/20 10:07

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 15:39	JKM	TAL SEA

Client Sample ID: GW-MW-34-1220

Lab Sample ID: 580-99738-13

Date Collected: 12/10/20 10:27

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 16:02	JKM	TAL SEA
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		10	346677	12/29/20 15:00	JKM	TAL SEA

Client Sample ID: GW-MW-38-1220

Lab Sample ID: 580-99738-14

Date Collected: 12/10/20 10:45

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 16:25	JKM	TAL SEA

Client Sample ID: GW-MW-41-1220

Lab Sample ID: 580-99738-15

Date Collected: 12/10/20 15:56

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 16:47	JKM	TAL SEA

Client Sample ID: GW-MW-41-1220

Lab Sample ID: 580-99738-15

Date Collected: 12/10/20 15:56

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		50	346677	12/29/20 14:38	JKM	TAL SEA

Client Sample ID: GW-MW-39-1220

Lab Sample ID: 580-99738-16

Date Collected: 12/10/20 16:58

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 17:10	JKM	TAL SEA
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		10	346677	12/29/20 14:15	JKM	TAL SEA

Client Sample ID: GW-BXS-03-1220

Lab Sample ID: 580-99738-17

Date Collected: 12/10/20 13:25

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 17:32	JKM	TAL SEA

Client Sample ID: GW-BXS-02-1220

Lab Sample ID: 580-99738-18

Date Collected: 12/10/20 13:53

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 17:55	JKM	TAL SEA

Client Sample ID: GW-BXS-01-1220

Lab Sample ID: 580-99738-19

Date Collected: 12/10/20 14:23

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 18:18	JKM	TAL SEA
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		10	346677	12/29/20 13:53	JKM	TAL SEA

Client Sample ID: GW-Equipment-Blank-1220

Lab Sample ID: 580-99738-20

Date Collected: 12/10/20 17:45

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345827	12/17/20 12:46	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345872	12/18/20 18:40	JKM	TAL SEA

Client Sample ID: GW-BXS-04-1220

Lab Sample ID: 580-99738-21

Date Collected: 12/11/20 05:49

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 13:13	W1T	TAL SEA

Client Sample ID: GW-MW-35-1220

Lab Sample ID: 580-99738-22

Date Collected: 12/11/20 06:36

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		5	345991	12/19/20 13:35	W1T	TAL SEA

Client Sample ID: GW-MW-27-1220

Lab Sample ID: 580-99738-23

Date Collected: 12/11/20 07:37

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 13:58	W1T	TAL SEA

Client Sample ID: GW-MW-26-1220

Lab Sample ID: 580-99738-24

Date Collected: 12/11/20 08:36

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 14:20	W1T	TAL SEA

Client Sample ID: GW-MW-24-1220

Lab Sample ID: 580-99738-25

Date Collected: 12/11/20 09:21

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 14:43	W1T	TAL SEA
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		20	346677	12/29/20 17:19	JKM	TAL SEA

Client Sample ID: GW-MW-03-1220

Lab Sample ID: 580-99738-26

Date Collected: 12/11/20 09:52

Matrix: Water

Date Received: 12/12/20 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 15:05	W1T	TAL SEA
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		100	346062	12/21/20 15:31	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-33-1220
Date Collected: 12/11/20 10:16
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 15:28	W1T	TAL SEA

Client Sample ID: GW-MW-30-1220
Date Collected: 12/11/20 10:54
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 15:50	W1T	TAL SEA

Client Sample ID: GW-MW-18-1220
Date Collected: 12/11/20 12:45
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 16:13	W1T	TAL SEA

Client Sample ID: GW-MW-42-1220
Date Collected: 12/11/20 13:03
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 16:35	W1T	TAL SEA

Client Sample ID: GW-MW-02-1220
Date Collected: 12/11/20 13:42
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 16:58	W1T	TAL SEA

Client Sample ID: GW-MW-28-1220
Date Collected: 12/11/20 14:11
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 17:20	W1T	TAL SEA

Lab Chronicle

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Client Sample ID: GW-MW-23-1220
Date Collected: 12/11/20 15:01
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 17:42	W1T	TAL SEA

Client Sample ID: GW-MW-22-1220
Date Collected: 12/11/20 15:48
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 18:05	W1T	TAL SEA

Client Sample ID: GW-MW-25-1220
Date Collected: 12/11/20 16:39
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 18:27	W1T	TAL SEA
Total/NA	Prep	3510C			345949	12/18/20 16:16	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		100	346062	12/21/20 15:54	W1T	TAL SEA

Client Sample ID: GW-MW-32-1220
Date Collected: 12/11/20 17:07
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-36
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345909	12/18/20 12:14	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 21:03	W1T	TAL SEA
Total/NA	Prep	3510C			345909	12/18/20 12:14	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		100	346062	12/21/20 17:25	W1T	TAL SEA

Client Sample ID: GW-DUP-1-1220
Date Collected: 12/11/20 00:01
Date Received: 12/12/20 08:33

Lab Sample ID: 580-99738-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			345909	12/18/20 12:14	RJL	TAL SEA
Total/NA	Analysis	8270E SIM		1	345991	12/19/20 21:26	W1T	TAL SEA

Laboratory References:
TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2901	11-05-21
Montana (UST)	State	NA	04-13-21
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C553	02-18-21

Sample Summary

Client: J. H. Baxter & Co.
Project/Site: Baxter Arlington

Job ID: 580-99738-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-99738-1	GW-MW-43-1220	Water	12/09/20 14:51	12/12/20 08:33	
580-99738-5	EW-1, EW-2, EW-4 Composite	Water	12/09/20 15:10	12/12/20 08:33	
580-99738-6	GW-HCMW-07-1220	Water	12/10/20 06:02	12/12/20 08:33	
580-99738-7	GW-MW-15-1220	Water	12/10/20 06:45	12/12/20 08:33	
580-99738-8	GW-MW-40-1220	Water	12/10/20 07:11	12/12/20 08:33	
580-99738-9	GW-MW-17-1220	Water	12/10/20 08:01	12/12/20 08:33	
580-99738-10	GW-MW-31-1220	Water	12/10/20 08:34	12/12/20 08:33	
580-99738-11	GW-MW-36-1220	Water	12/10/20 09:11	12/12/20 08:33	
580-99738-12	GW-MW-29-1220	Water	12/10/20 10:07	12/12/20 08:33	
580-99738-13	GW-MW-34-1220	Water	12/10/20 10:27	12/12/20 08:33	
580-99738-14	GW-MW-38-1220	Water	12/10/20 10:45	12/12/20 08:33	
580-99738-15	GW-MW-41-1220	Water	12/10/20 15:56	12/12/20 08:33	
580-99738-16	GW-MW-39-1220	Water	12/10/20 16:58	12/12/20 08:33	
580-99738-17	GW-BXS-03-1220	Water	12/10/20 13:25	12/12/20 08:33	
580-99738-18	GW-BXS-02-1220	Water	12/10/20 13:53	12/12/20 08:33	
580-99738-19	GW-BXS-01-1220	Water	12/10/20 14:23	12/12/20 08:33	
580-99738-20	GW-Equipment-Blank-1220	Water	12/10/20 17:45	12/12/20 08:33	
580-99738-21	GW-BXS-04-1220	Water	12/11/20 05:49	12/12/20 08:33	
580-99738-22	GW-MW-35-1220	Water	12/11/20 06:36	12/12/20 08:33	
580-99738-23	GW-MW-27-1220	Water	12/11/20 07:37	12/12/20 08:33	
580-99738-24	GW-MW-26-1220	Water	12/11/20 08:36	12/12/20 08:33	
580-99738-25	GW-MW-24-1220	Water	12/11/20 09:21	12/12/20 08:33	
580-99738-26	GW-MW-03-1220	Water	12/11/20 09:52	12/12/20 08:33	
580-99738-27	GW-MW-33-1220	Water	12/11/20 10:16	12/12/20 08:33	
580-99738-28	GW-MW-30-1220	Water	12/11/20 10:54	12/12/20 08:33	
580-99738-29	GW-MW-18-1220	Water	12/11/20 12:45	12/12/20 08:33	
580-99738-30	GW-MW-42-1220	Water	12/11/20 13:03	12/12/20 08:33	
580-99738-31	GW-MW-02-1220	Water	12/11/20 13:42	12/12/20 08:33	
580-99738-32	GW-MW-28-1220	Water	12/11/20 14:11	12/12/20 08:33	
580-99738-33	GW-MW-23-1220	Water	12/11/20 15:01	12/12/20 08:33	
580-99738-34	GW-MW-22-1220	Water	12/11/20 15:48	12/12/20 08:33	
580-99738-35	GW-MW-25-1220	Water	12/11/20 16:39	12/12/20 08:33	
580-99738-36	GW-MW-32-1220	Water	12/11/20 17:07	12/12/20 08:33	
580-99738-37	GW-DUP-1-1220	Water	12/11/20 00:01	12/12/20 08:33	

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5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☐ Rush
☐ Short Hold

Chain of Custody Record

Client	Client Contact	Date	Chain of Custody Number
GSI Water Solutions	Joe Sherrod / Josh Bale JSherrod@gsiwss.com jbale@gsiwss.com	12/10/2020	39987
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 3
55 SW Yamhill, Portland, OR	253-486-9014		
City / **State** / **Zip Code**	**Sampler**	**Lab Contact**	
Portland / OR / 97204	Joe Sherrod		
Project Name and Location (State)	**Billing Contact**		
Baxter Arlington	Georgia Baxter		
Contract/Purchase Order/Quote No.			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: PCP 8270D_sim	Phenols 8270D_msd (PCP Breakdown)	Special Instructions/ Conditions of Receipt
GW-MW-43-1220	1	12/9/20	1451		✓									X		
GW-EW-1-1220	2		1510		✓									X	X	Combine to Composite EW-1, EW-2, EW-4
GW-EW-2-1220	3		1515		✓									X	X	
GW-EW-4-1220	4		1520		✓									X	X	
GW-HCMW-07-1220	5	12/10/20	0602		✓									X		
GW-MW-15-1220	6		0645		✓									X		
GW-MW-40-1220	7		0714		✓									X		
GW-MW-17-1220	8		0801		✓									X		
GW-MW-31-1220	9		0834		✓									X		
GW-MW-36-1220	10		0911		✓									X		
GW-MW-29-1220	11		1007		✓									X		
GW-MW-34-1220	12		1027		✓									X		

580-99738 Chain of Custody

Cooler: ☑ Yes ☐ No Cooler Temp: _____

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other Standard TAT

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By Sign/Print: Joe Sherrod	12/11/20	0833	1. Received By Sign/Print: Ken Hobbs	12-12-20	0933
2. Relinquished By Sign/Print			2. Received By Sign/Print		
3. Relinquished By Sign/Print			3. Received By Sign/Print		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☐ Rush
☐ Short Hold

Chain of Custody Record

Client	Client Contact	Date	Chain of Custody Number
GSI Water Solutions	Joe Sherrod / Josh Bale jbale@gsiwa.com jsherrod@gsiws.com	12/10/20	39988
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
55 SW Yamhill St.	253-486-9014		
City	**State**	**Zip Code**	**Sampler**	**Lab Contact**
Portland	OR	97204	Joe Sherrod	
Project Name and Location (State)	**Billing Contact**	
Baxter Arlington	Georgia Baxter	
Contract/Purchase Order/Quote No		

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: PCP 8270 P_sim	Special Instructions/ Conditions of Receipt
GW-MW-38-1220	13 KH	12/10/20	1045		✓									X	
GW-MW-41-1220	14		1556		✓									X	
GW-MW-39-1220	15		1658		✓									X	
GW-BXS-03-1220	16		1325		✓									X	
GW-BXS-02-1220	17		1353		✓									X	
GW-BXS-01-1220	18		1423		✓									X	
GW-Equipment-Blank-1220	19		1745		✓									X	
GW-BXS-04-1220	20	12/11/20	0549		✓									X	
GW-MW-35-1220	21		0636		✓									X	
GW-MW-27-1220	22		0737		✓									X	
GW-MW-26-1220	23		0836		✓									X	
GW-MW-24-1220	24		0921		✓									X	

Cooler: ☑ Yes ☐ No Cooler Temp: _____

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other Standard TAT

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By Sign/Print: Joe Sherrod	12/12/20	0833	1. Received By Sign/Print: Thea Hobbs	12-12-20	0833
2. Relinquished By Sign/Print:			2. Received By Sign/Print:		
3. Relinquished By Sign/Print:			3. Received By Sign/Print:		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

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Tacoma, WA 98424
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Fax 253-922-5047
www.testamericainc.com

☐ Rush
☐ Short Hold

Chain of Custody Record

Client: GSI Water Solutions
Client Contact: Joe Sherrod / Josh Bale — jsherrod@gsiws.com — jbale@gsiws.com
Date: 12/11/20
Chain of Custody Number: 39985
Address: 55 SW Yamhill St.
Telephone Number (Area Code)/Fax Number: 253-486-9014
Lab Number:
Page 3 of 3
City: Portland | State: OR | Zip Code: 97204
Sampler: Joe Sherrod
Lab Contact:
Project Name and Location (State): Baxter Arlington
Billing Contact: Georgia Baxter
Contract/Purchase Order/Quote No.:

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: PCP 8270 - SIM
GW-MW-03-1220	25	12/11/20	0952		✓									X
GW-MW-33-1220	26		1016		✓									X
GW-MW-30-1220	27		1054		✓									X
GW-MW-18-1220	28		1245		✓									X
GW-MW-42-1220	29		1303		✓									X
GW-MW-02-1220	30		1342		✓									X
GW-MW-28-1220	31		1411		✓									X
GW-MW-23-1220	32		1501		✓									X
GW-MW-22-1220	33		1548		✓									X
GW-MW-25-1220	34		1639		✓									X
GW-MW-32-1220	35		1707		✓									X
GW-Dup-1-1220	36	↓			✓									X

Therm. ID: A2 Cor: 1.1 Unc: 2.0
Cooler Dsc: LB
Packing: 0
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___ UPS: ___ Lab Cour: ___ Other: CD

Therm. ID: A2 Cor: -0.9 Unc: 0.0
Cooler Dsc: LB
Packing: 0
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___ UPS: ___ Lab Cour: ___ Other: CD

Therm. ID: A2 Cor: 0.5 Unc: 1.4
Cooler Dsc: LB
Packing: 0
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___ UPS: ___ Lab Cour: ___ Other: ___

Therm. ID: A2 Cor: 0.9 Unc: 1.8
Cooler Dsc: LB
Packing: 0
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___ UPS: ___ Lab Cour: ___ Other: ___

Cooler: ☐ Yes ☐ No Cooler Temp: ___
Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other Standard TAT
QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By Sign/Print: Joe Sherrod	12/12/20	0833	1. Received By Sign/Print: Ken Hobbs	12-12-20	0833
2. Relinquished By Sign/Print:			2. Received By Sign/Print:		
3. Relinquished By Sign/Print:			3. Received By Sign/Print:		

Comments:

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

TAL-8274-580 (0210)
12/30/2020

Login Sample Receipt Checklist

Client: J. H. Baxter & Co.

Job Number: 580-99738-1

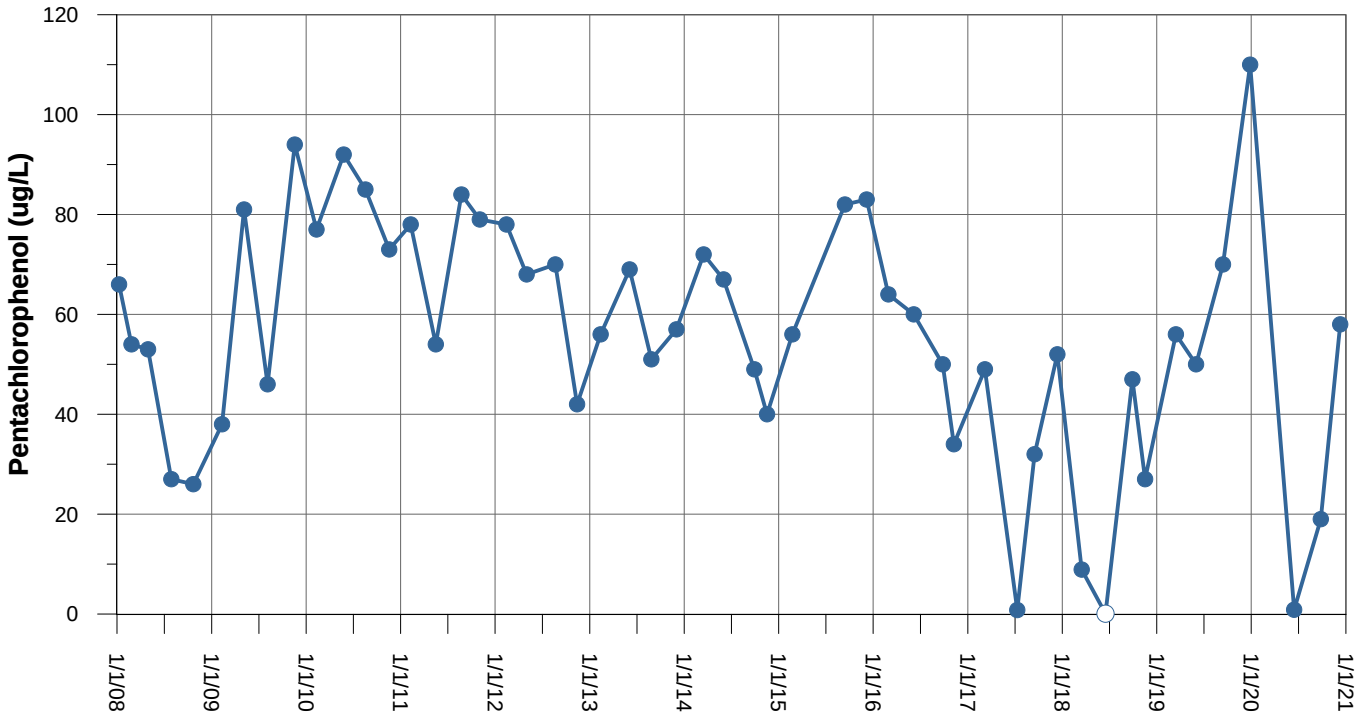
Login Number: 99738
List Number: 1
Creator: Hobbs, Kenneth F

List Source: Eurofins TestAmerica, Seattle

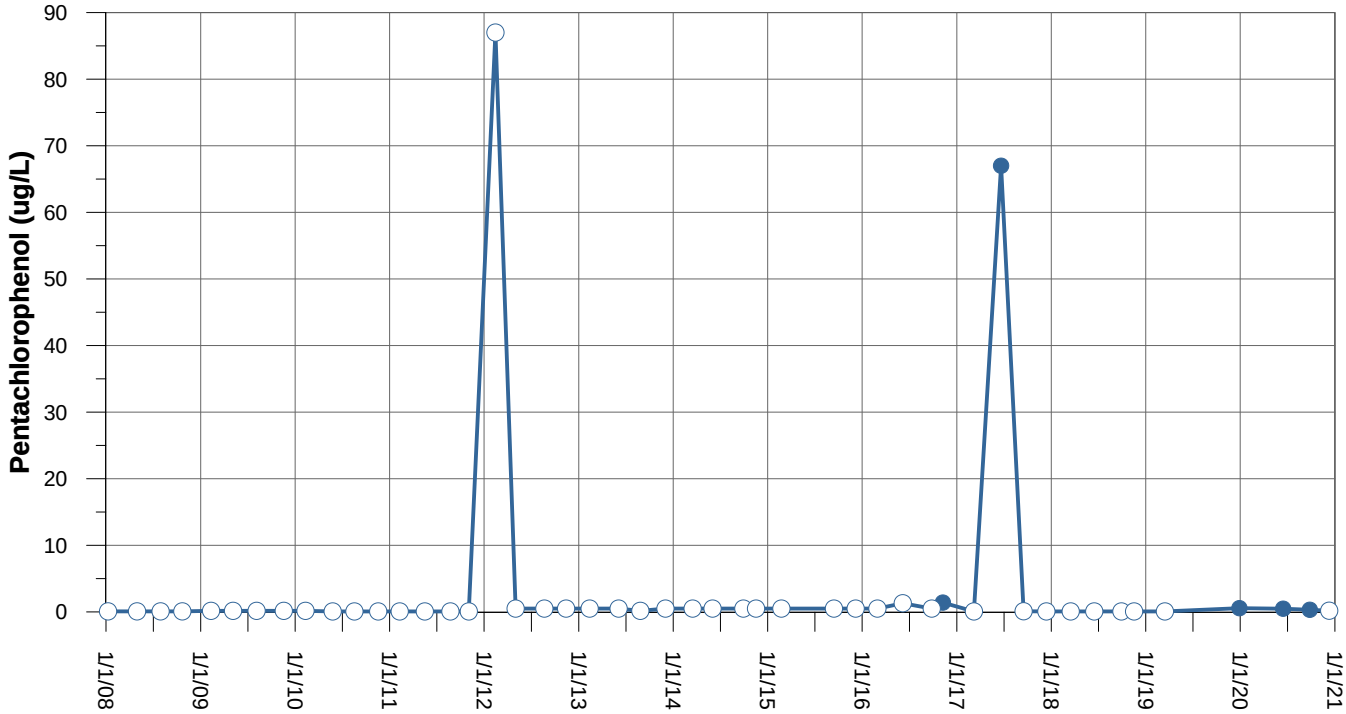
Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix C

BXS-1



BXS-2



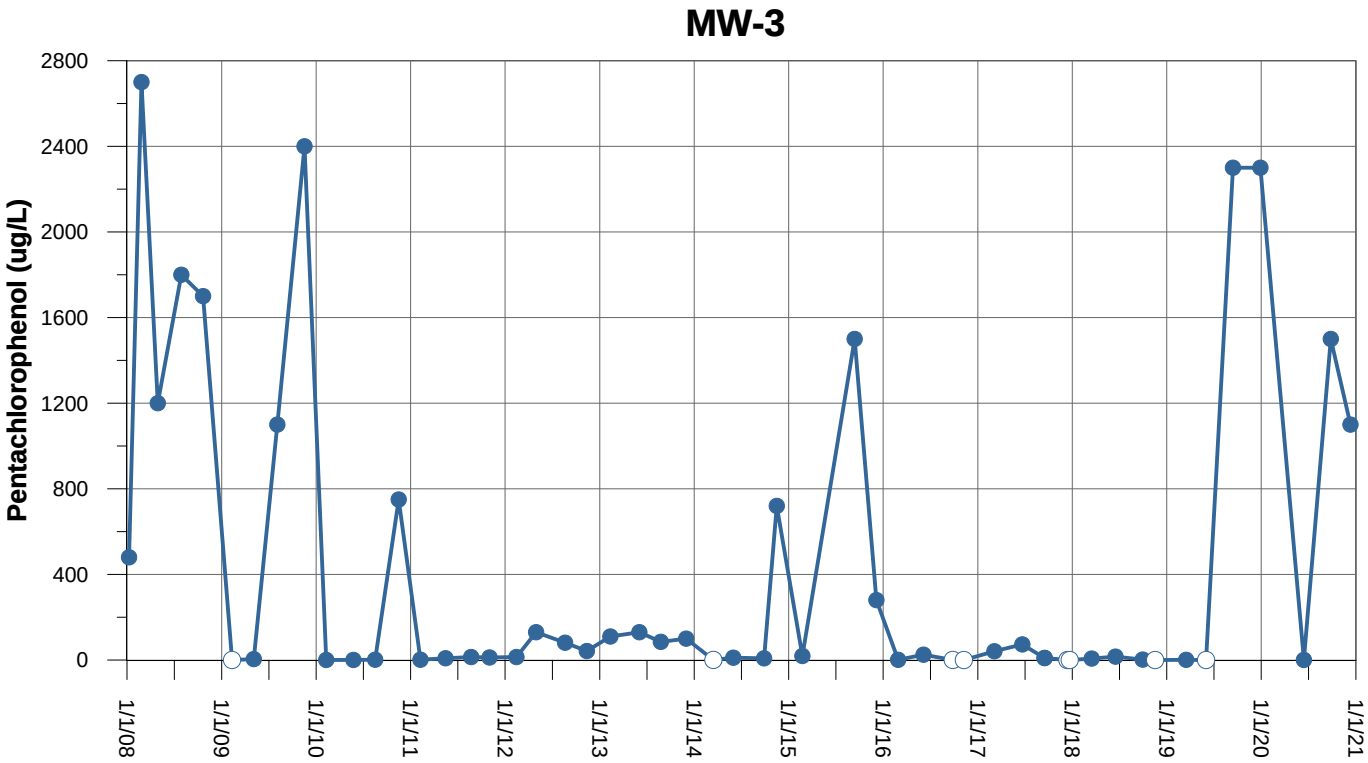
Legend:

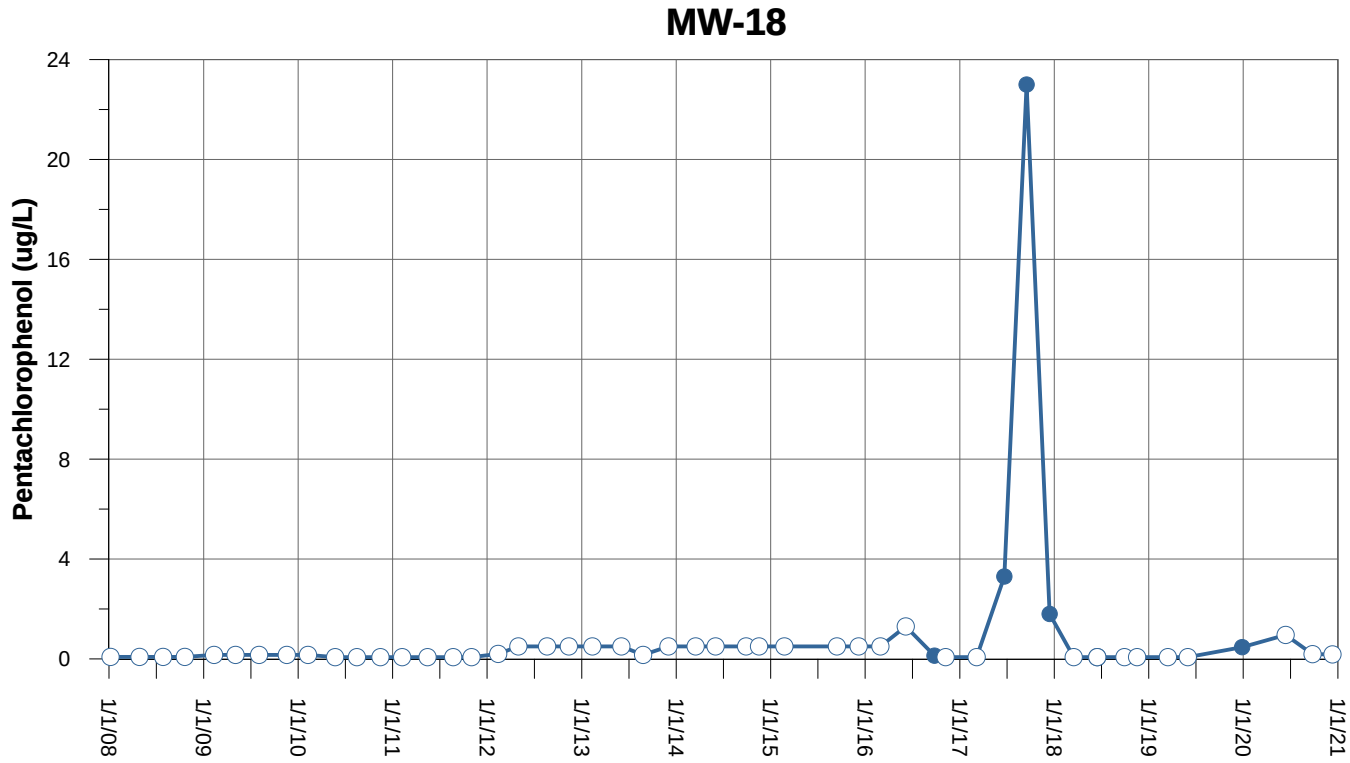
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:
ug/L = microgram per liter

FIGURE C-1
Pentachlorophenol Groundwater Concentrations in BXS-1 and BXS-2
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

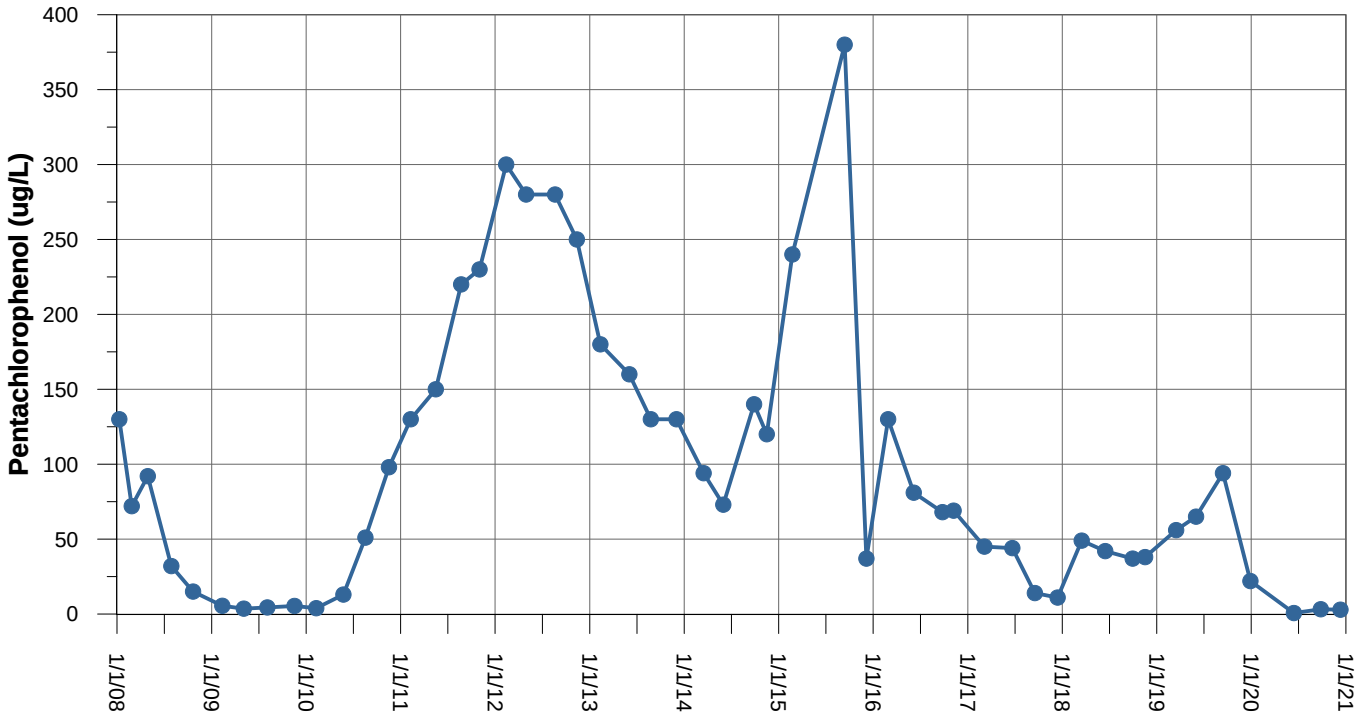
Notes:
ug/L = microgram per liter

FIGURE C-2
Pentachlorophenol Groundwater Concentrations in MW-3 and MW-18

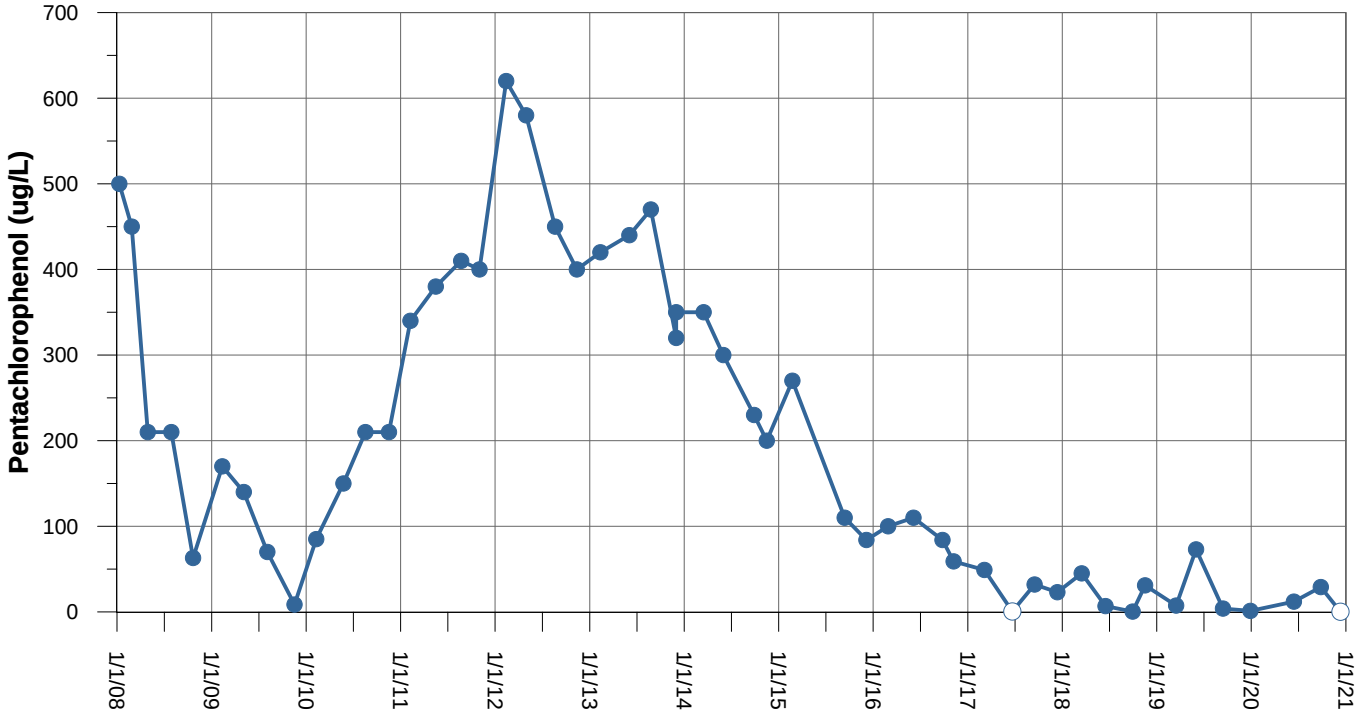
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

MW-22



MW-23



PAHs not analyzed in MW-22.

Legend:

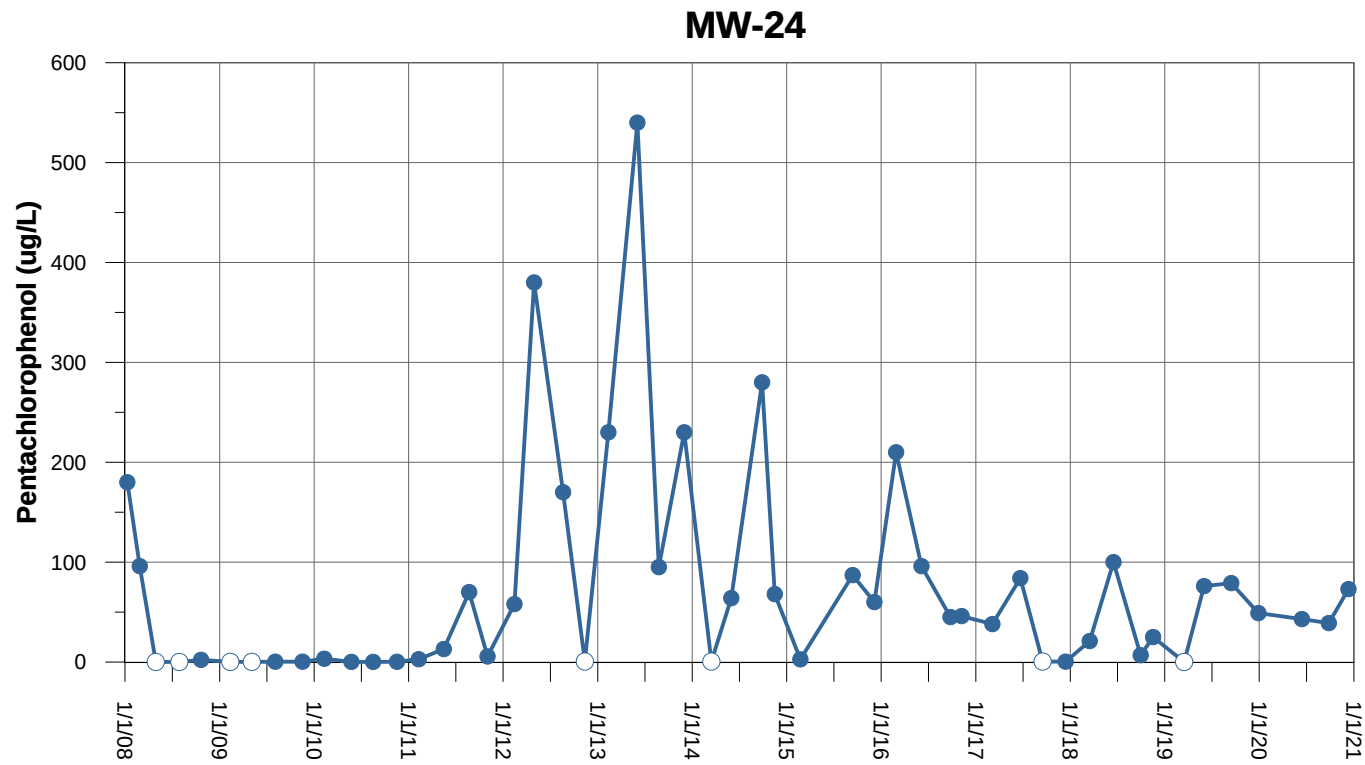
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

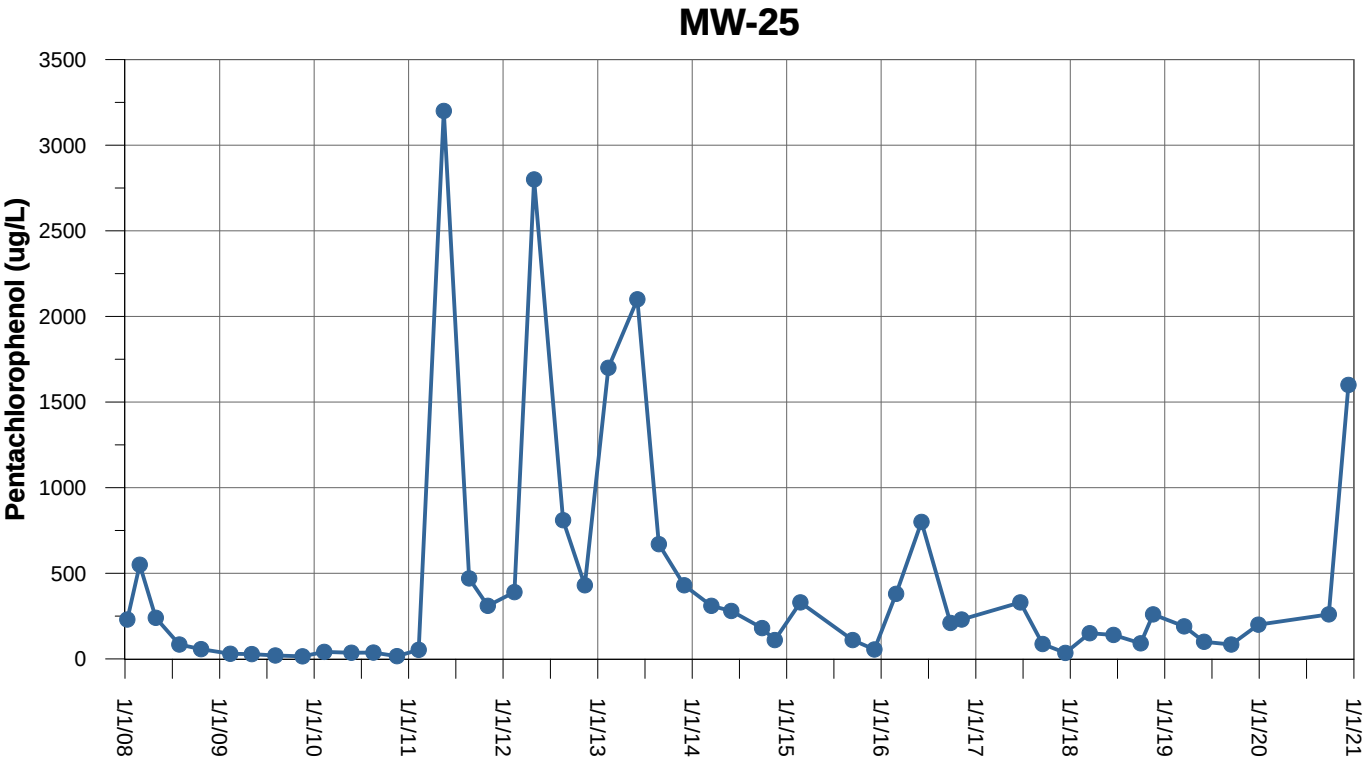
Notes:
ug/L = microgram per liter

FIGURE C-3
Pentachlorophenol Groundwater Concentrations in MW-22 and MW-23

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-4

Pentachlorophenol Groundwater Concentrations in MW-24 and MW-25

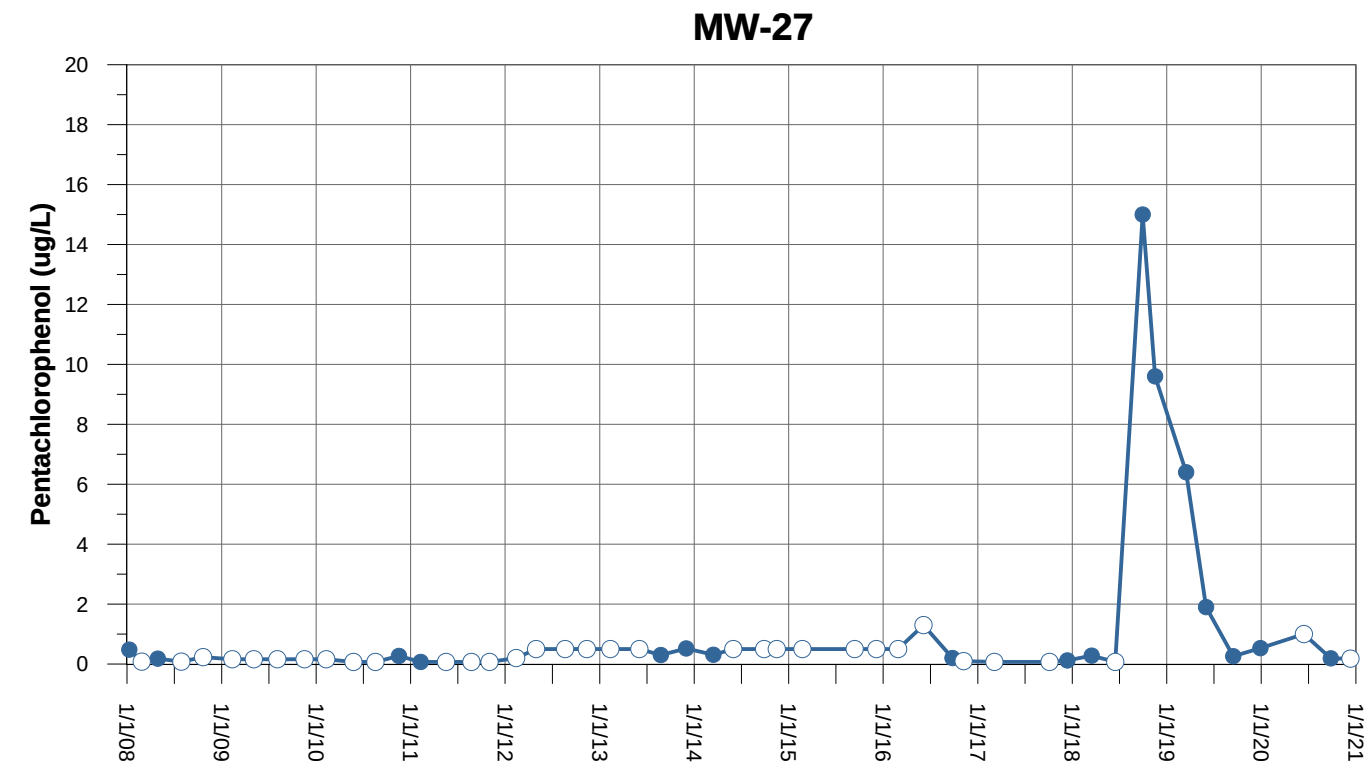
Former J.H. Baxter Wood Treating Facility

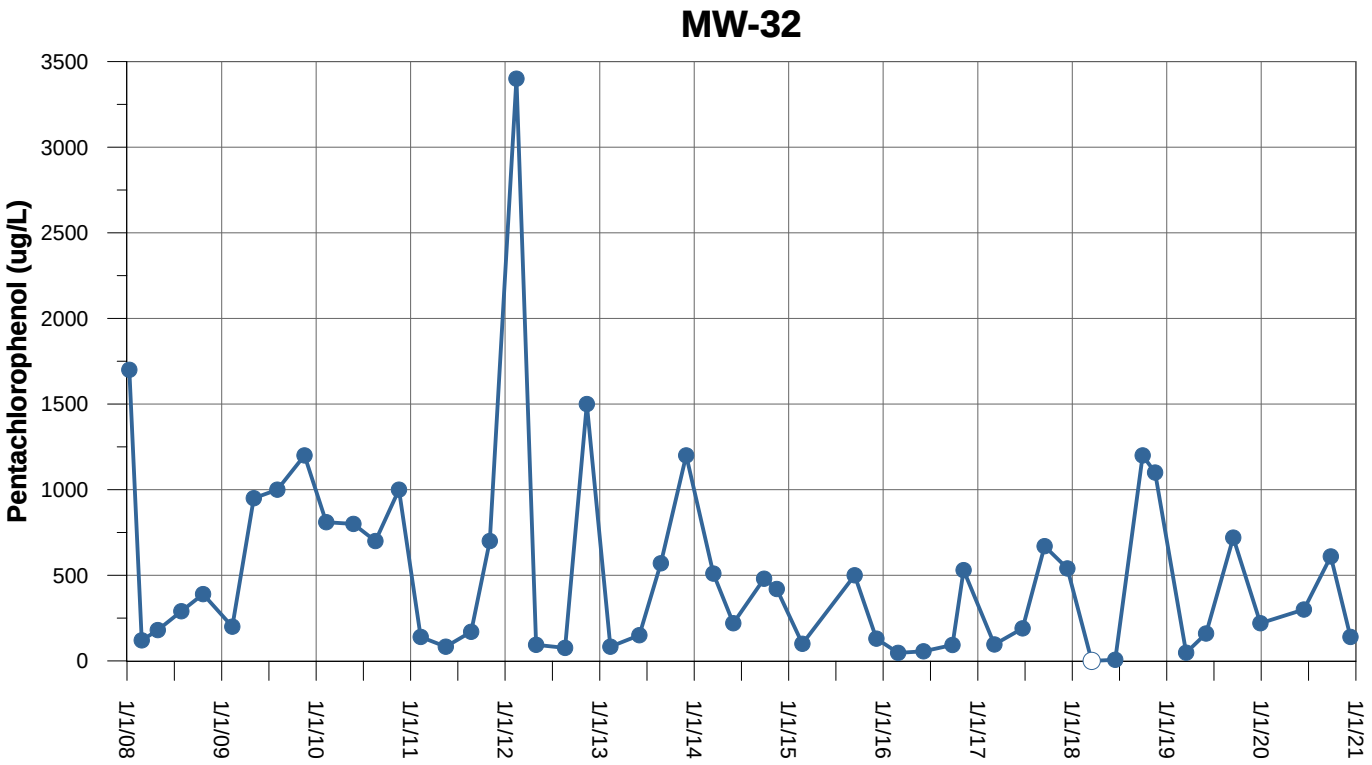
Arlington, Washington

Notes:

ug/L = microgram per liter

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

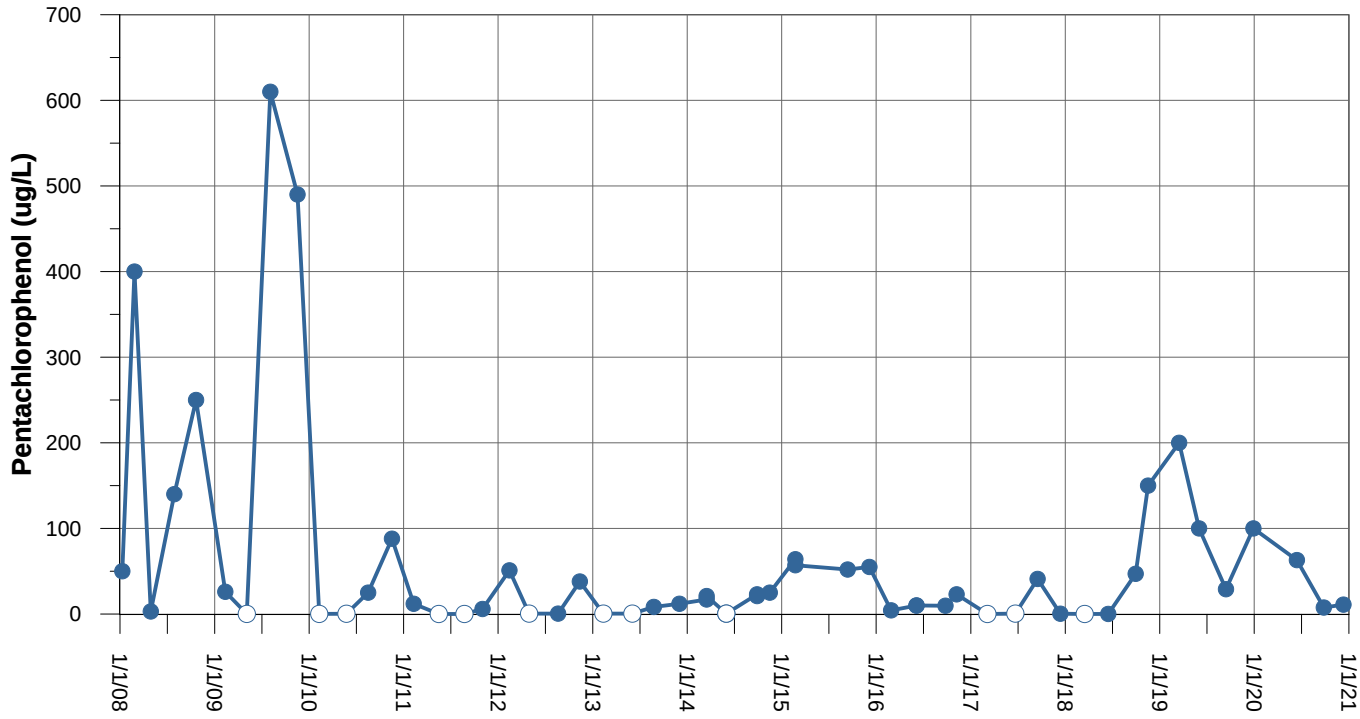
Notes:
ug/L = microgram per liter

FIGURE C-5
Pentachlorophenol Groundwater Concentrations in MW-27 and MW-32

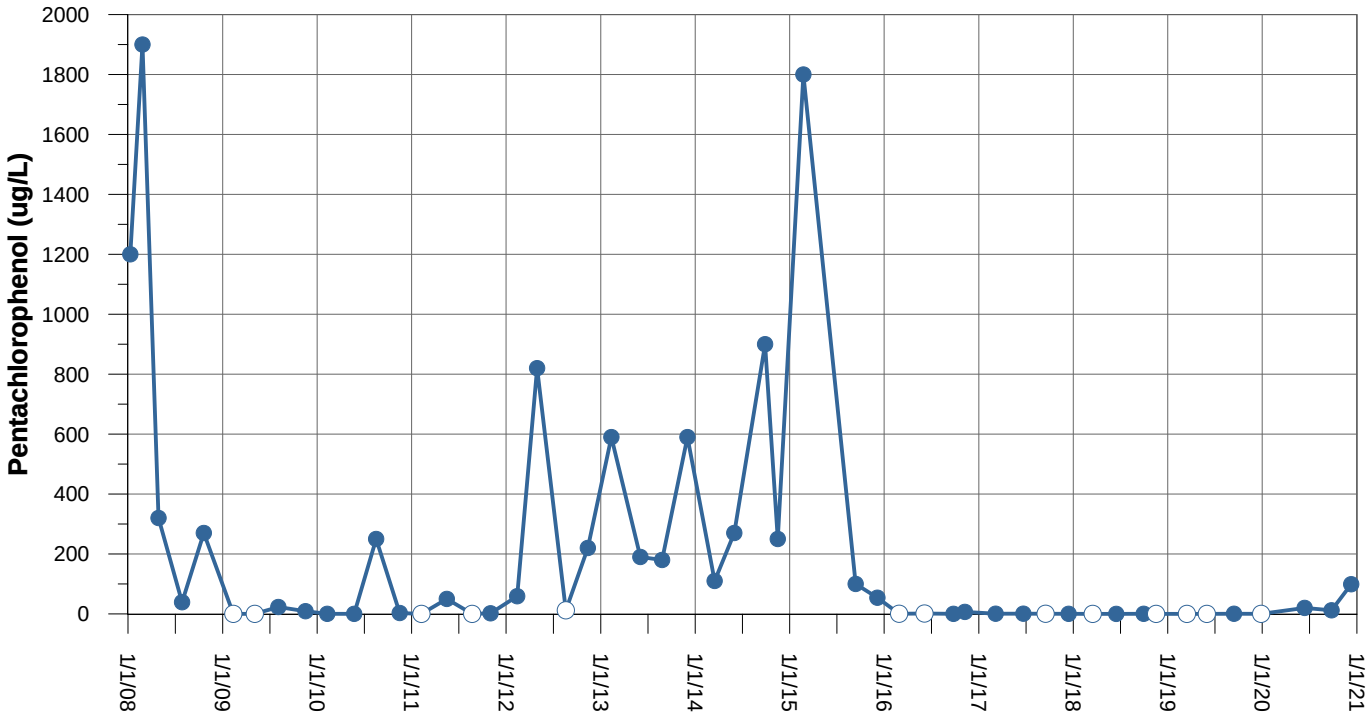
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

MW-33



MW-34



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-6

Pentachlorophenol Groundwater Concentrations in MW-33 and MW-34

Former J.H. Baxter Wood Treating Facility

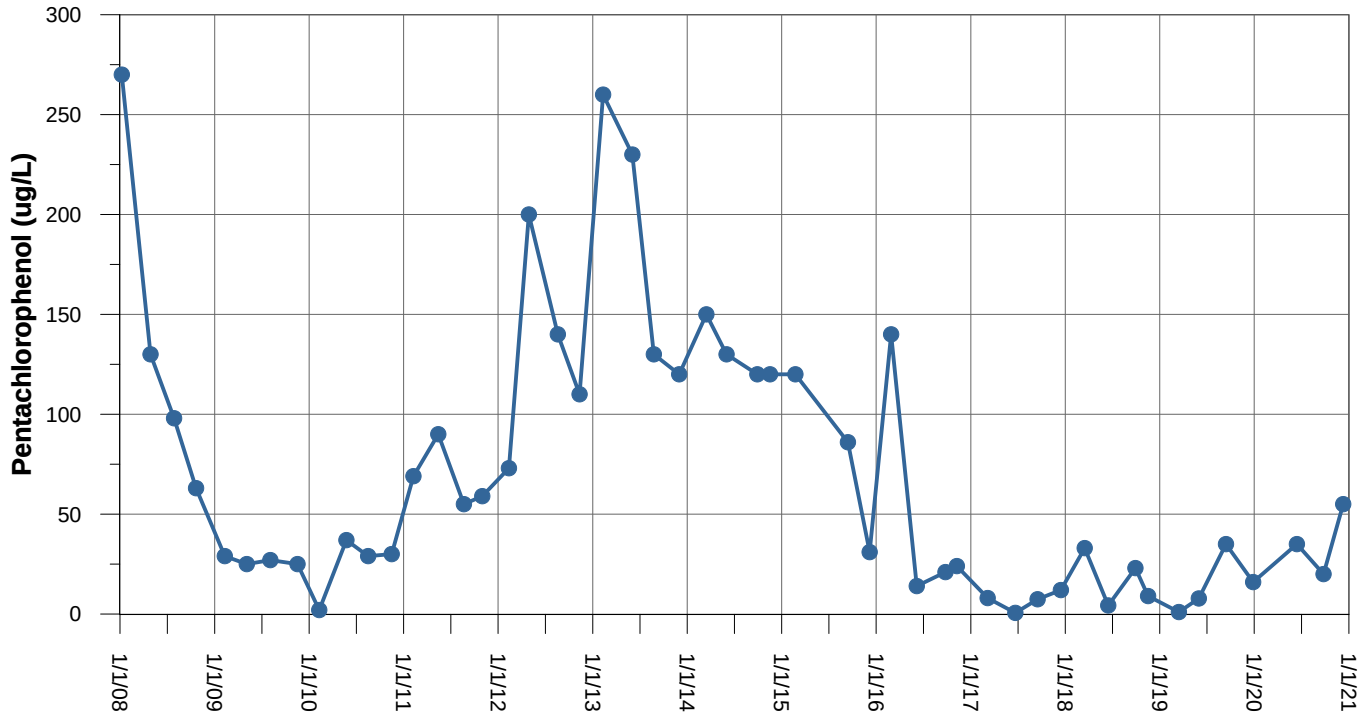
Arlington, Washington

Notes:

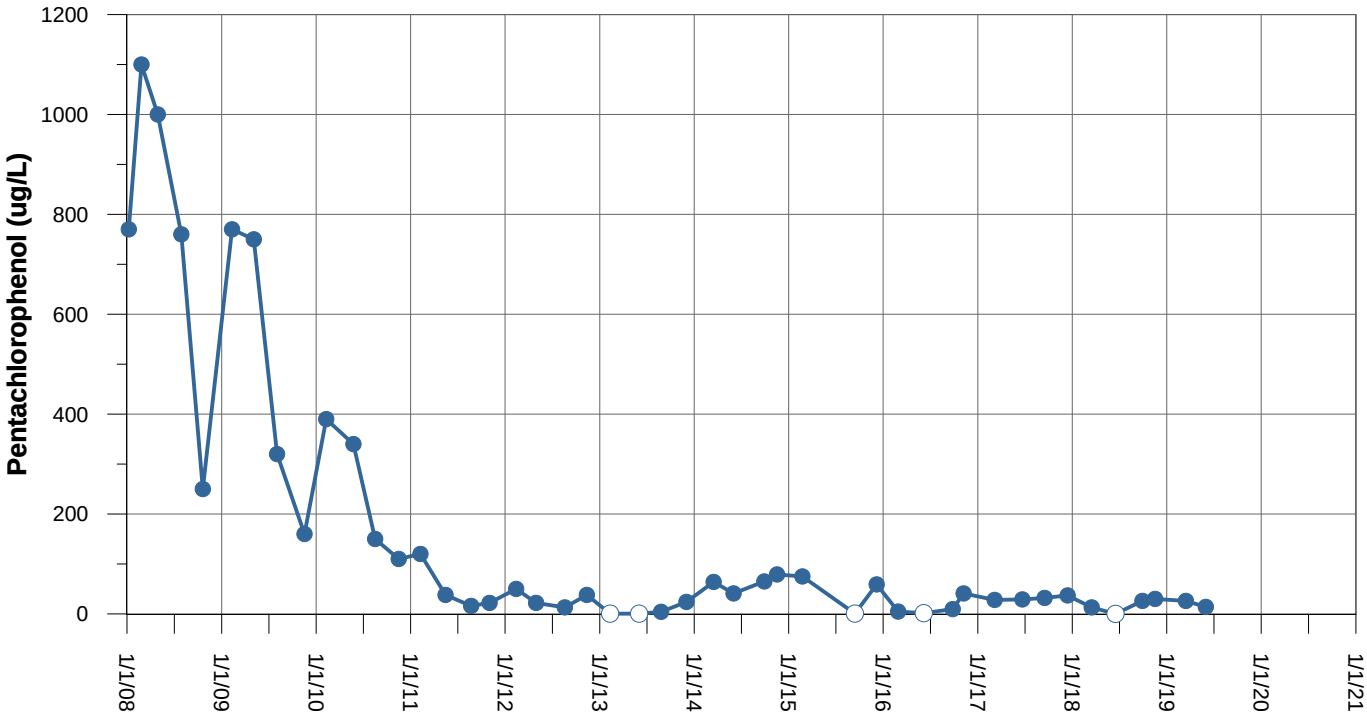
ug/L = microgram per liter

GSI Water Solutions, Inc.

MW-36



MW-37



Legend:

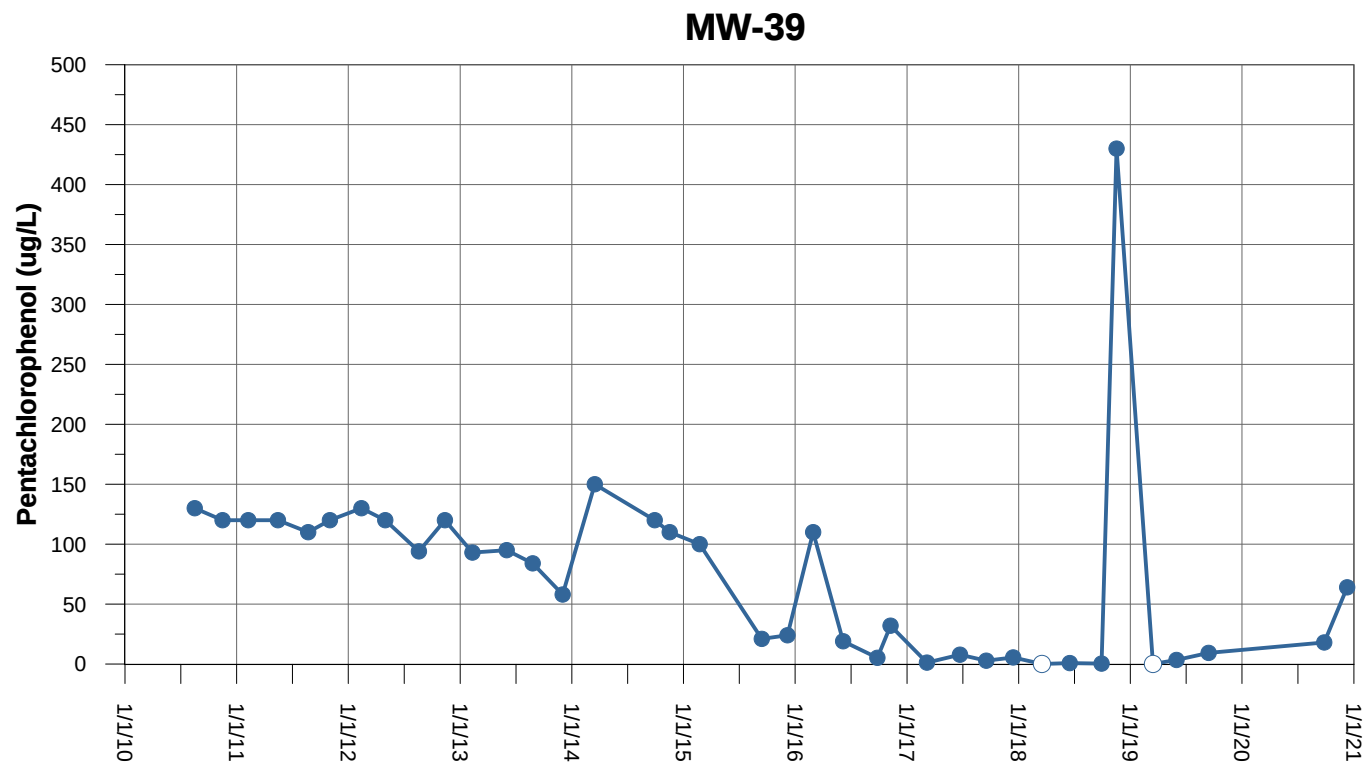
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

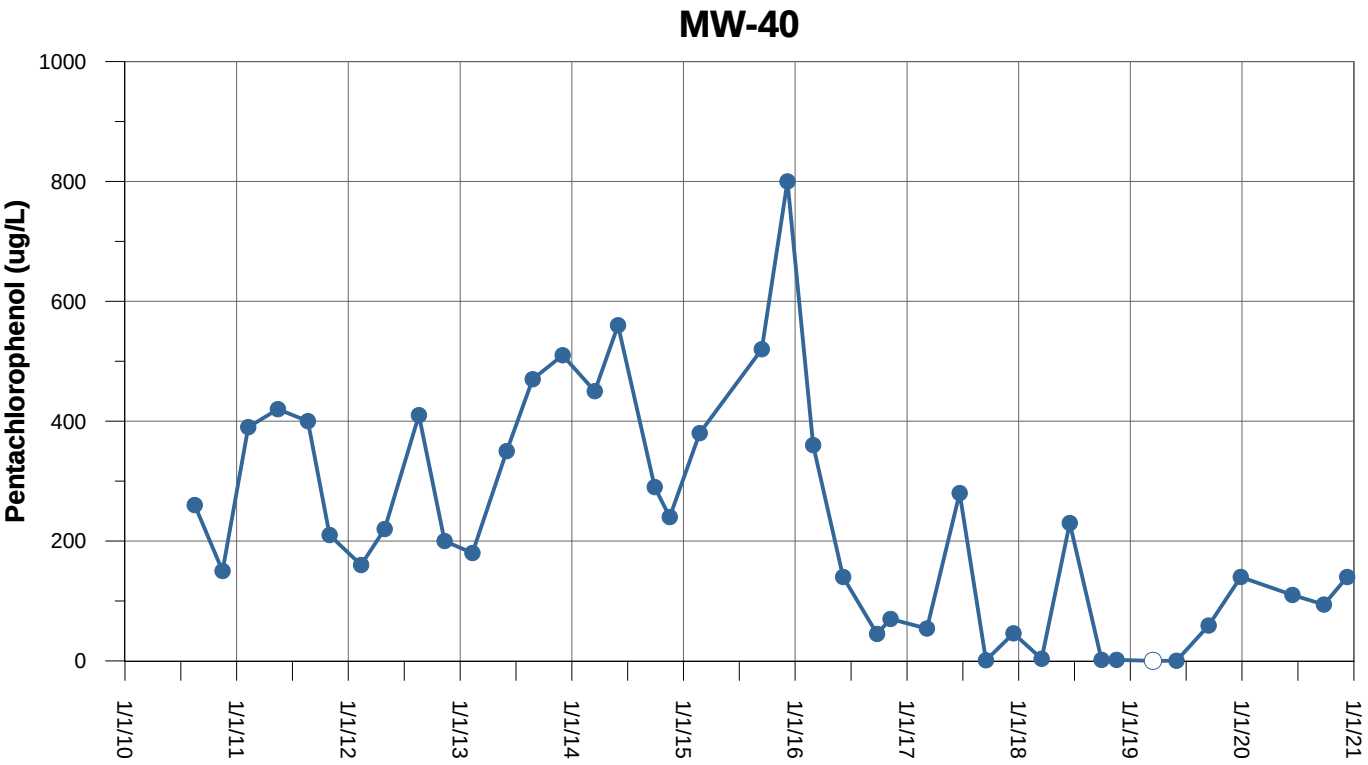
FIGURE C-7
Pentachlorophenol Groundwater Concentrations in MW-36 and MW-37

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Notes:
ug/L = microgram per liter
MW-37 not sampled 3Q19 through 4Q20

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-8

Pentachlorophenol Groundwater Concentrations in MW-39 and MW-40

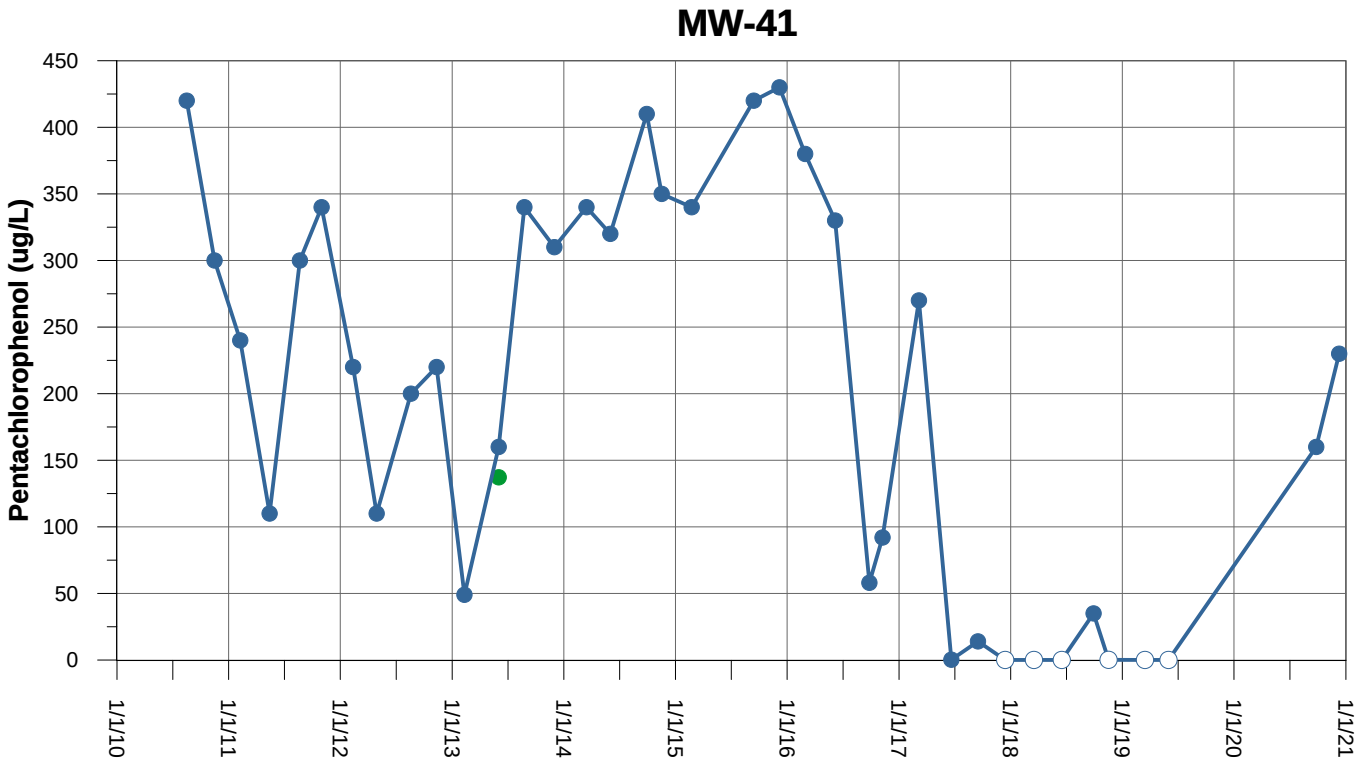
Former J.H. Baxter Wood Treating Facility

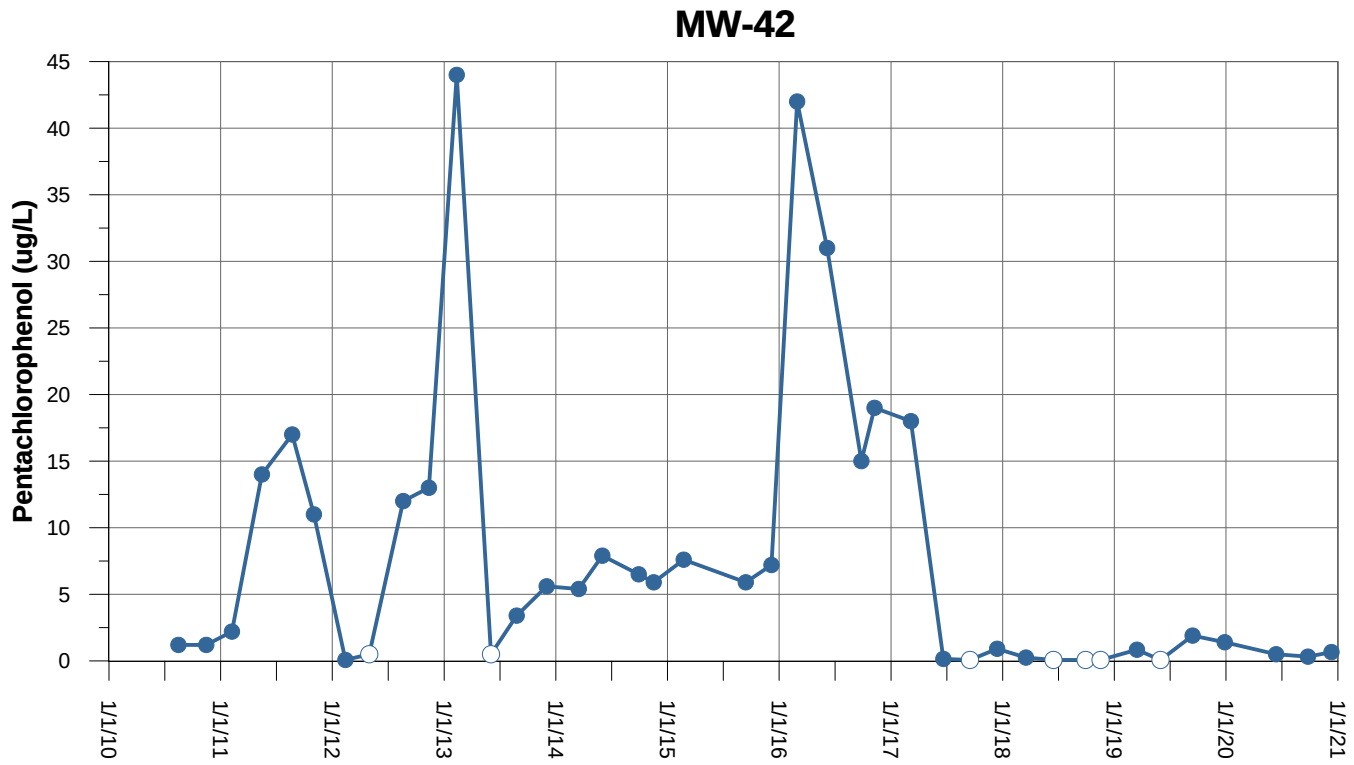
Arlington, Washington

Notes:

ug/L = microgram per liter

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

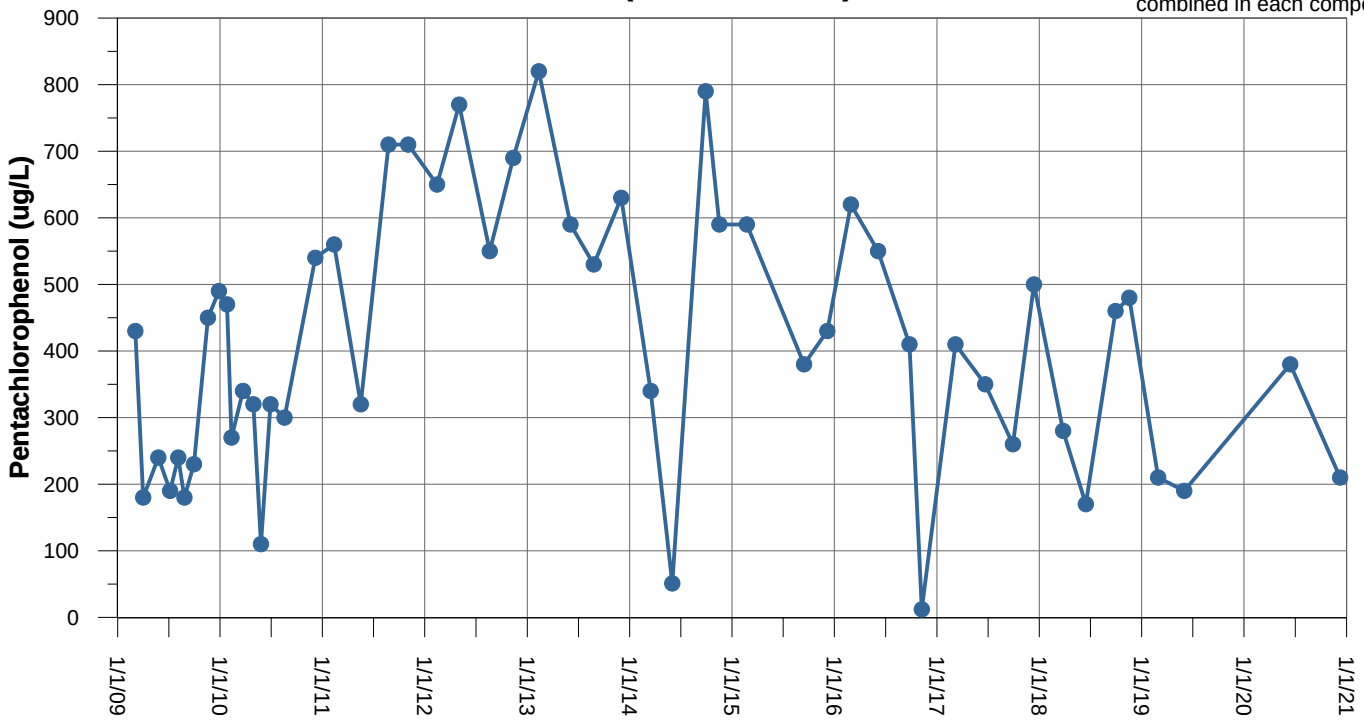
FIGURE C-9
Pentachlorophenol Groundwater Concentrations in MW-41 and MW-42
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Notes:
ug/L = microgram per liter

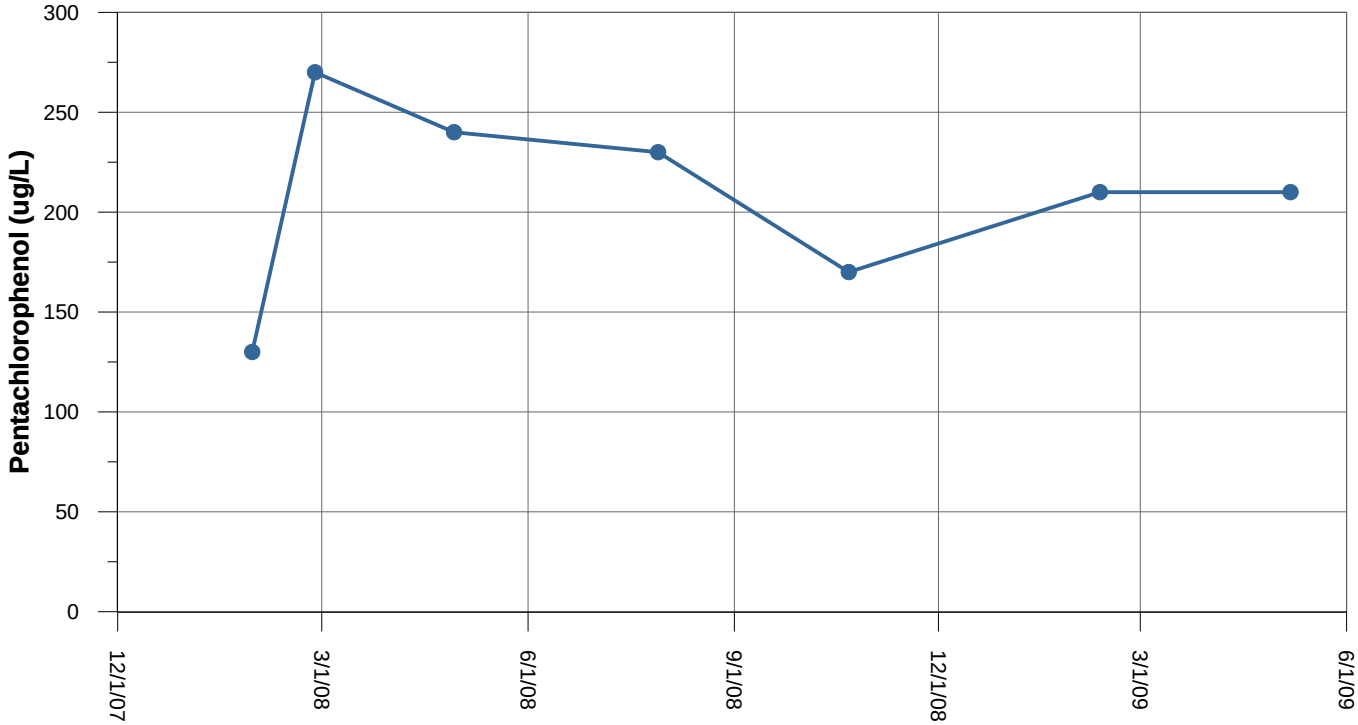
GSI Water Solutions, Inc.

Extraction Well Composites
EPA Method 8270D and 8151M
(2009 - current)

See Table 3C for extraction wells combined in each composite sample.



Extraction Well Composites (EW-1 through EW-7)
EPA Method 8151
(2008 - 2009)



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-10

Pentachlorophenol Groundwater Concentrations in Extraction Well Composite Samples by EPA Method 8270D and 8151

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

ug/L = microgram per liter

GSI Water Solutions, Inc.